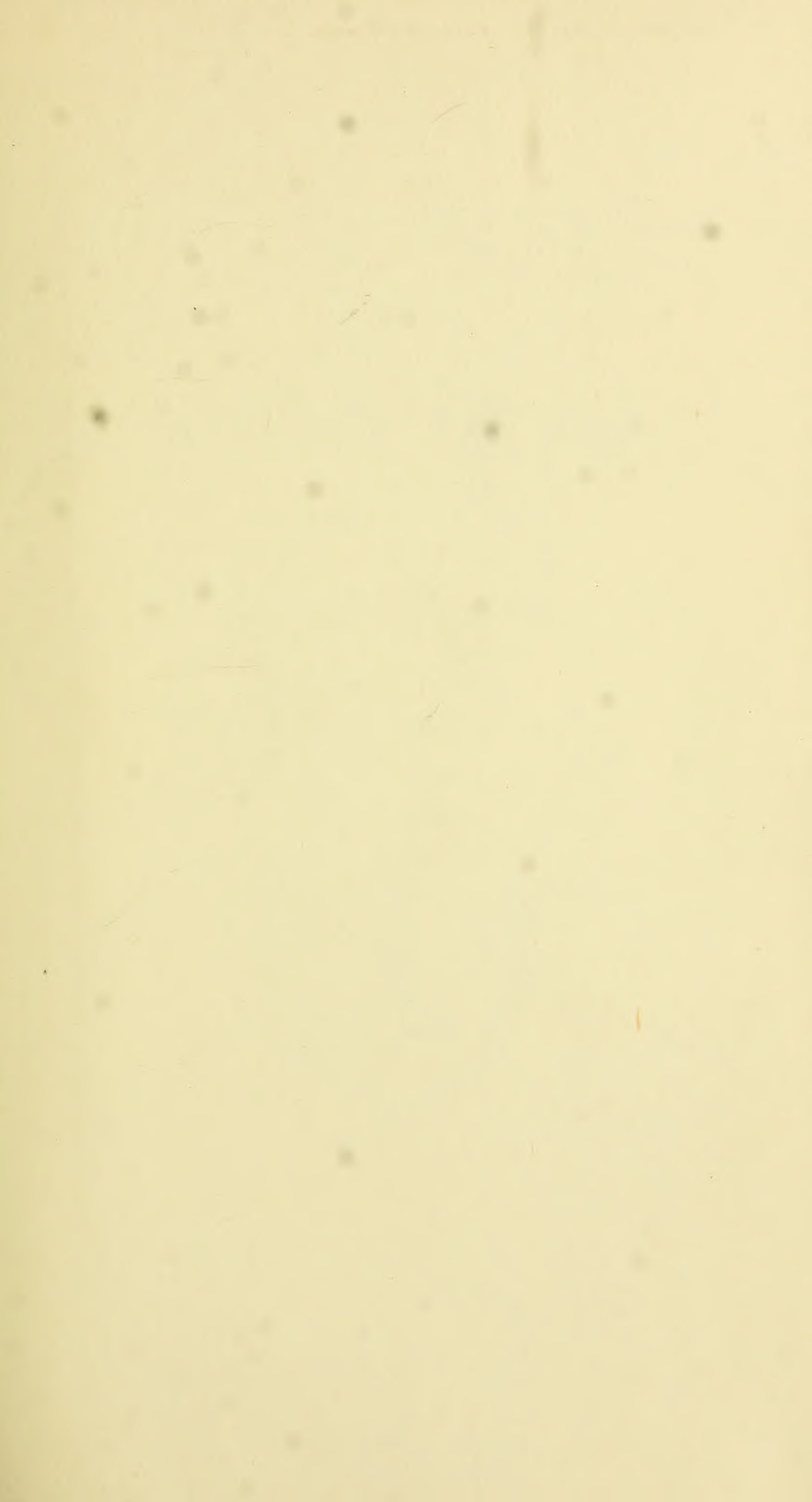



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Baltimore, Mayor.

— THE —

MAYOR'S MESSAGE

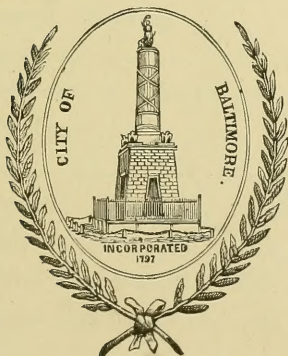
— AND —

Reports of the City Officers

— MADE TO THE —

CITY COUNCIL OF BALTIMORE

FOR THE YEAR 1896.



BALTIMORE:

JOHN B. KURTZ, CITY PRINTER.

No. 210 Water Street.

1897.

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MAYOR'S MESSAGE.

MAYOR'S OFFICE,

BALTIMORE, January 25, 1897.

*To the Honorable the Members of the First and Second
Branches of the City Council, in Convention
Assembled:*

GENTLEMEN: Section 12, Article IV, of the Statutes, requires me to report to you on one of the first five days of your session the general state of the city, with a correct account of the moneys received and expended. In compliance with this law I beg to submit herewith, at the end of this message, an account of the receipts and expenditures of the city, as prepared by the City Comptroller, Charles D. Fenhagen.

DEPARTMENT REPORTS.

We beg to call your attention to the full and clear reports made by the heads of the several departments of the city government, and especially to suggested improvements made by the gentlemen who have given the city such faithful service during the past twelve months. Since any extended quotations from these reports would make my message unnecessarily long, I will abstain from the same.

CITY EXPENDITURES.

Every effort has been made during the past year to keep the expenditures of the city government within the appropriation made by your honorable body.

Early in the year it became evident that the estimate made by the Ways and Means Committee of a possible collection of 73 per cent. of the levy would not be realized, and that the probable collection would not exceed 70 per cent. We began at once to cut down

expenditures, in order not to exceed the probable income. This necessity has prevented the execution of some measures for which it was thought ample provisions had been made in the levy.

We are pleased to state that the machinery of government has been kept going, and, by the exercise of the strictest economy, we are enabled to report to you a surplus in the city treasury of \$85,000. We found upon examination that the laws requiring provision in the levies for the several sinking funds had not been complied with, and, on presentation of that fact to your honorable bodies through your Ways and Means Committee, the necessary provision was for the first time made. Among other loans for which sinking funds had not been provided are the loans of 1922 Water and 1916 Water. We beg to call your attention especially to this fact, as we believe that the obligations of the city should be faithfully provided for, and burdens should not be put upon future generations that were intended to be borne by the present.

The sinking funds of 1916 Water, amounting on the first day of January, 1897, to \$397,187, and of 1922 to \$10,174.43, have both been created in the year 1896, and are the first provision that has been made for these loans, although they have been running twenty years.

FLOATING AND FUNDED DEBTS.

The funded debt of the city has increased during the last year \$1,064,200. The sinking funds showed an increase of \$779,820.34, leaving a net increase of the outstanding public debt of but \$284,379.66. The amount of the floating indebtedness of the City of Baltimore existing on the 31st of December, 1895, has been ascertained, by a careful examination of the accounts of the city, to be \$1,453,229.42, which, you will note, differs from the amount stated in the financial reports of other years heretofore issued, when it was placed at \$1,385,503.79. This floating indebtedness will be funded as authorized by the Legislature, the

City Council and the people at the polls. More than one-half of the city stock issued during the past year has been purchased by the Finance Commissioners for account of the various sinking funds. One-half million of 1940 stock was placed upon the market, after public advertisement. The bids amounted to \$7,500,000, and the price obtained was $105\frac{23}{100}$ flat, showing the credit of the city to be A1.

INTEREST ON DEBT OF W. M. R. R.

We beg to call your careful attention to Ordinance No. 33, passed in 1879, which requires the Finance Commissioners to provide funds for the payment of the interest on certain indebtedness of the Western Maryland Railway Company from the increments of the sinking funds. Not only is your attention called to the ordinance, but to the preambles thereof.

This demand upon the funds of the Finance Commissioners is, we believe, unwarranted and unjustifiable. The funds are collected by taxation for the specific purposes of the several issues of the city stock, as specifically stated on the tax bills. The use of this money in the way commanded by this ordinance works to the diminution of the sinking funds and creates disturbances in results supposed to have been actuarially calculated for the retirement of the public debt, when due, and we believe makes a false presentation of the true indebtedness of the city. Without at this time inquiring into the history or the advisability of the creation of the so-called Western Maryland indebtedness, we do believe that the debt, having been created and now existing, should be provided for, both as to principal and interest, in the proper way, and the people who are paying for this indebtedness ought to know that they are paying for it and see a specific statement to that effect on their tax bills. When they pay an amount for the retirement of any loan and interest on the same they should be assured that no part of that money is being diverted for something else.

The Commissioners of Finance now have no course to pursue other than to obey the mandates of the ordinance. We suggest to you the advisability of repealing said ordinance and providing the necessary funds in the proper way through the tax levy.

RELATIONS WITH RAILROADS.

During the year, as provided for by ordinance, all the interest of the city in the Pittsburg & Connellsville Railway was transferred to Eugene Delano, and the city's holdings of the third preferred mortgage Philadelphia & Reading were sold.

All indebtedness of the B. & O. R. R. to the City of Baltimore was collected in due season, except the rent incident to the occupancy of the Bolton Lot by the Belt Line; this is in dispute, but we hope to have it amicably settled.

SINKING FUNDS.

It has been our endeavor to readjust the securities in the several sinking funds so that each fund, as near as possible, shall contain none other than its special stock.

The Enoch Pratt Free Library Fund and the Horwitz Benevolent Fund are considered now as trust funds rather than sinking funds, because, by their very nature and creation, they are in trust for the specific purpose of providing an annual income for the objects of the trusts and not for the retirement of any indebtedness.

REDUCING EXPENSES.

Every effort has been made in the past year to do away with needless municipal machinery and expenditure, and wherever consolidation has been thought to be possible it has been effected. The savings thus made have been used for the betterment of the service.

There are many other expenses that can be saved, but your co-operation must be secured in order to accomplish that result.

CITY JAIL.

We desire to call your attention to the improvements made by the Board of Jail Visitors during the last year. The offensive bath-tubs and objectionable mode of bathing have been changed for an improved system of needle baths; this facilitates the rapid bathing of the many prisoners and removes all danger from contamination. Electric lights have been put in the cells of the sentenced prisoners and also throughout the woman's department. This has already proven to be a great help in the administration of prison discipline, in that the opportunity thus afforded for mental recreation during the non working hours is so great that the withholding of the light from the prisoners has proven an adequate punishment for all but the most refractory cases. The shower-bath mode of punishment has been abandoned and the dark cell is but seldom used.

The Board has adopted a standing rule that no punishment may be inflicted by the keepers. The warden, on complaint of the keepers, tries all cases and determines the gravity of the offence and the required punishment, which must be administered in the presence of the jail physician. We are happy to say that punishments of no kind are now frequent.

The establishment of a hospital in one of the out-buildings is both humane and timely, and quite an improvement over the old method of attendance upon the sick in their cells of incarceration. A hospital for women is now to be established under the guidance and direction of the warden, jail physician and the lady member of the board. The prisoners in the jail are kept constantly employed upon remunerative work when possible, but upon work of some kind at all times.

The shameful imprisonment of children, and the commingling of witnesses and prisoners, we believe will soon be corrected by the erection of an annex specially designed for this purpose, the plans for which have just been completed; we are awaiting the appropriation by the Ways and Means Committee of your honorable bodies for the funds necessary to prosecute the work.

PUBLIC SQUARES.

We again call your attention to the desirability of placing the control and care of the twenty-two parks and squares of the city in the hands of the Park Commission. When the provision for the maintenance of these parks was taken from the tax levy, it was placed upon the park fund derived from the railway tax. As the Park Board is compelled to provide for the park debt sinking fund, for the interest upon the park debt, and for current expenses of the parks, a tax large enough in itself to absorb the entire revenues from the railways, the imposition of this extra burden upon their fund, without the right to regulate it, necessarily impoverishes the larger parks.

NEW CITY BUILDINGS.

The erection of the court house is progressing slowly; and, while the structure is not advanced as far as we had hoped it would be by this time, we believe the quality of the work is beyond adverse criticism, and hope to be able to make up in the future the loss of time caused by many delays in the past.

All plans for new public school and other buildings begun during the year have been submitted to the Art Commission for its criticism, which criticism has been very beneficial, and has operated toward an improvement in the quality of the designs of the buildings which will adorn our already beautiful city.

SEWERAGE COMMISSION.

The Sewerage Commission has about completed its plans for the establishment of a sewerage system for the City of Baltimore, and will, in the near future, give to you, in a special report, the details of the scheme upon which they have been giving such careful and valuable labor during the last several years. The Commission has been of considerable service in acting as adviser in matters concerning the construction of storm-water sewers that have been commenced during the last year, thus effecting a saving of much money.

ALMSHOUSE.

It is not necessary for me to call your attention to the improved condition of the Almshouse, as many of you have been already delighted by a visit to that institution. The removal of this important branch of the municipal government from politics has already been productive of so much good that we feel that this municipality will never be satisfied to place it under purely partisan control again. We have not been disappointed in our expectation of the benefit of having ladies on this Board. They have given unremitting attention to the details of the work of their office and have been constantly visiting, not only the Alms-house, but the hospitals under their care. It must be known to many of you that it is the Board of Trustees of the Poor, which is required by law to care for the transportation of the poor, their condition, and treatment in the hospitals to which subsidy is paid by the city, as well as to care for the city's insane. All business connected with these departments, heretofore transacted in the Mayor's office, has been transferred to the Trustees of the Poor, so that they have now in their care all the departments of the public work given to them by law. So many improvements have been made by this commission that I beg to refer you to its very interesting report already submitted to you,

and would urge upon you frequent visits to the institutions under their care.

FIRE DEPARTMENT.

The Police and Fire-Alarm Telegraph Department has placed all the wires underground in the districts covered by subways, and the transfer from overhead to underground methods was attended by no annoying interruption. The system is working in perfect order, accentuating the necessity of an early placing of all wires underground, as contemplated by legislation now pending before you. It has been the desire of the Fire Commissioners to remove the Fire Department from the realm of political control. While many removals have been made in the department, they have been for the betterment of the service and not from political reasons. Desiring to get the opinions of men upon whom the burden of inefficient fire service would fall, we have consulted many of the fire underwriters of the city, and have received the unanimous verdict that the department is much improved and is entirely satisfactory under the management of the present Board and its very efficient and capable chief. We must call your attention, however, to the inadequate equipment of the department for so large a city as Baltimore, and must renew our request, heretofore made, for an increase of the number of fire engine companies, and especially for a hook and ladder company for North Baltimore; and we again caution you that the dreadful calamity of the Armiger fire may be repeated any day in the northern Annex, owing to the long distance between the hook and ladder companies, which you will note are the life saving branch of the Fire Department. We have city property upon which a house could be erected. The expenditure of money would be thus confined to the mere erection of a building and the equipment of a company.

COMMISSIONERS FOR OPENING STREETS.

The Commissioners for Opening Streets call your attention to certain laws passed by your predecessors, the repeal of which will effect a great saving to the city. The Topographical Survey work is now being limited to the planning of a projection of streets in the Annex, upon plans submitted by the Chief of the Topographical Survey, and by engineers in the city. Your Commission proposes in the near future to decide upon a plan upon which projections will be made in the Twenty-first and Twenty-second Wards.

DREDGING THE HARBOR.

The Harbor Board has put in thorough repair the ice-boat *Latrobe*, has dredged the harbor, and has taken under its control the removal of filth found floating upon the surface of the water, which last function has been heretofore performed by the Health Department.

STREET CLEANING DEPARTMENT.

The Street Cleaning Department has been doing efficient work, and we believe that the citizens are satisfied that the service in this department has been noticeably improved.

We call your attention to the request of the Commissioner for Street Cleaning for an increased appropriation for this important branch of the public service. The cleaning cannot be A1 with the limited appropriation heretofore made. You will be surprised to hear the Superintendent of Street Cleaning state, what is undoubtedly true, that the mileage of streets in Baltimore is the same as that of New York; and yet the disparity between an appropriation of one-third of a million and one of three millions is very great. We cannot hope, however, to indulge in the luxury of a three-million appropriation, but we do ask a slight increase upon the meagre appropriations at our command for keeping your eyes and lungs and your offices and homes

free from dust and dirt and filth, and to make your city pleasant to yourselves and to your visitors.

WATER BOARD.

In pursuance of the intentions announced to you in our last message, we have been steadily rearranging the functions of the several departments so as to avoid duplication of service. On examination of the laws relating to the Water Board, we found that the duties of placing fire plugs, drinking fountains and all other extension of plant and creation of betterments were wholly within the hands of the Commission, and the responsibility of this work was placed by law upon it. The Water Board has, therefore, from its own funds, and not from the tax levy, been providing a larger number of plugs throughout the city than has ever before in any one year been placed. It is the intention of the Board to continue in this work until every neighborhood is adequately supplied.

The indebtedness of the Water Board from the original purchase and from subsequent extensions of plant amounts to a little over six and a half millions of dollars. The interest on this indebtedness, all betterments and sinking fund provisions (except a slight provision made in the levy for 1916, 1922, and 1926 loans), and current expenses are now being borne entirely by the revenues of the Water Board.

The law requires that all surplus, existing after the payment of current expenses of the Water Board and interest on the water loans, shall be passed to the Finance Commission on the first days of May and November, to be by it invested for the retirement of the water debt. On the first of last May the amount of surplus thus transferred was \$348,840. No transfers were made in November because of the absence of a surplus at that time. We are convinced that so long as the Water Board is charged with these expenses, and very properly it should be so charged, there is very little prospect in the near future of a reduction of

the water rates. The Water Board was enabled, by diligent inspection and by change in the manner of collecting water rates and introduction charges, and by a radical revision of the methods of account keeping and bill rendering, to materially increase the revenues last year; the increased revenues for the coming year will be very much larger from the same causes than those of '96.

There has been a very material decrease in the pay rolls of the department without any diminution in the effectiveness of the service.

QUALITY OF WATER.

We regret to say that the quality of water, as tested by taste and smell, has not been entirely satisfactory to the citizens, but this fact has led to a careful investigation by both the chemical and the bacteriological departments of the City of Baltimore, and both have reported that while disgusting to the smell and unpleasant to the taste, the water was pure chemically and bacteriologically, and that nothing was to be feared from a sanitary point of view. We are satisfied that the cause of the trouble is the slight rain fall of the last season. We are rapidly cleaning the lakes from the accumulation of sedimentary matter. The cleaning of Loch Raven is now completed and the engineers are preparing the necessary plans for the cleaning of Lake Roland.

NEW WATER MAINS.

The loan of 1945 contemplates the expenditure of two million dollars by the city for the extension of water mains in the Annex and the reorganization of water mains in the old twenty wards. In order that the problem might be thoroughly studied before any attempt at execution, Mr. Samuel Gray, of Providence, R. I., was employed as consulting engineer to prepare plans for such extension and reorganization. The plans were submitted to the board, and, after careful investi-

gation and examination, have been adopted. The preliminary work incident to the execution of the plan is now in process; the contract for the necessary pipe has been let at a price remarkably low and entirely gratifying to the Board. We believe that when the work is completed that the City of Baltimore will have no complaints from inadequate supply of water for years to come.

FILTRATION OF WATER.

A demand from certain sources has been made of late for the addition of filtration, to our already existing plant, for the purifying of city waters. It has not yet been demonstrated that our water needs such expensive treatment. It is impossible for the Water Board to take upon itself this new method of purification, if the cost of the same is to be borne by the present revenues of the department.

PARKS.

We may incidentally call your attention to the fact that bicycling is discovering to the citizens of Baltimore the beauty of the parks connected with our water reservoirs and lakes, which has been much neglected by beauty seekers in the past. We are sure that the vale in which Loch Raven is situated is of sufficient beauty to justify the labor and time necessary to visit the Glen; Montebello, Loch Raven and the parks surrounding the other lakes, when added to the parks now controlled by the Park Board, will give Baltimore as great diversity of pleasure grounds as possessed by any city in the country, although the combined area of the same may not be as large as that of some other cities.

DEPOSITING FUNDS OF WATER BOARD.

In February last the revenues of the Water Board, which had heretofore been commingled with the funds of the Mayor and City Council, were separated from

the latter, and, as required by law, were placed in the bank designated by the Finance Commissioners as a place of special deposit, and by an agreement made with the bank in consideration of this deposit two per cent. interest has since been received. The income from this source alone up to the 1st of January has been \$712.95. The Water Board is run as a separate corporation from the Mayor and City Council, as the law requires and as by statute and ordinance has always been intended.

WATER BOARD TELEPHONE SERVICE.

The telephone service of the Water Board proved to be very inefficient, and the board has erected on its own poles a new line under the care of the Superintendent of the Police and Fire-Alarm Telegraph Department, and now owns a complete system operated at a very much less cost.

LIGHTING CITY STREETS.

The proper illumination of the city has received much thought. An experiment was made on North avenue in electric lighting by underground wires, and in Park Place with gas lighting by the Welsbach burners, both of which experiments have proven successful. We hope to extend both plans in other portions of the city.

CITY LIBRARY.

Marked improvement in the cataloguing and care of the valuable records added to the Librarian's Department is noticeable; the improvements suggested in our last message are being rapidly made by the present Librarian and his able assistant.

HEALTH DEPARTMENT.

The Health Department has during the last year established a chemical laboratory and also a bacteriological laboratory, which have received the notice of scientists and physicians of this city, and have been

favorably commented upon by those of other cities. Every effort has been made to co-operate with physicians both in this city and adjacent territory in the diagnosing of cases where the bacteriologist and chemist could be of any assistance. We believe you would be amply repaid by a careful perusal of the very valuable report of the Health Department upon this and kindred subjects.

It has been prosecuting a vigorous warfare against adulterated milk and other food products. The Inspector of Bakeries has amply justified the creation of his office in the discoveries of adulterations in confections, ice cream, breads, etc.

HOSPITAL FOR INFECTIOUS DISEASES.

At the risk of wearying you we again beg to call your attention to the necessity for the creation of a hospital for infectious cases. Fortunately for the city and its business interests, we have been spared the infliction of widespread infectious diseases, but because we have escaped it so far is no reason for us to expect immunity in the future; and if, because of the inadequate provision for isolation in the hospitals of the city of infectious diseases an epidemic should spread throughout our midst, the loss to the business of the community and the destruction of peace and happiness in our homes would far outweigh any saving of the meagre appropriation necessary to erect a hospital for infectious diseases.

The quarantine branch of the Health Department is in the very best condition, and calls for unqualified commendation of the physicians in charge. The station is approaching the point of self-support. The revenues in 1895 were 27 per cent. of the expenditures, while in 1896 they were 60 per cent.

INSPECTOR OF BUILDINGS.

The Inspector of Buildings has been diligent and thorough in his inspection of city property and in

watching the erection of new buildings by private parties, and his department has been diligent up to the point of overwork. The effect of his faithful supervision is apparent to those whose avocations bring them within the sphere of building enterprises. Every effort has been made by the Inspector of Buildings to provide for the heating and ventilation of public schools, and to furnish warm baths for the firemen in their engine houses. The designs and execution of new buildings are very noticeably improved.

INSPECTOR OF GAS AND ILLUMINATING OILS.

The report of the Inspector of Gas and Illuminating Oils does not reveal any marked violation of the law in respect to the qualities of these two necessary illuminants.

ECONOMY IN EXPENDITURES.

We believe that the citizens of all municipalities desire all the comforts which modern science and the advancement of civilization have put at the command of those who can purchase them. The private citizen can only enjoy the comforts that he does enjoy by lopping off wasteful extravagance—so also is this true of citizens, when acting collectively as a municipality. Extravagance is unwarranted. The provision of comforts is properly demandable of the public servants to the extent of the public purse.

COMPTROLLER AND REGISTER.

In closing my message to you I desire to call especial attention to the efficient work performed by the Comptroller's and the Register's Departments in the reorganization of the methods of account keeping. A system of auditing has been established and double-entry account keeping has been introduced. This has made possible an immediate discovery at any time of the exact condition of the accounts of the city in all

its departments, thus very materially lessening the labor of these departments and reducing the time heretofore required in settling the accounts of the city.

I desire to thank the departments for the uniform courtesy and co-operation extended to me in the prosecution of the different labors of the past year.

Yours truly,

ALCAEUS HOOPER, *Mayor.*

STATEMENT No. 1.

RECEIPTS AND EXPENDITURES DURING THE FISCAL
YEAR ENDING DECEMBER 31, 1896.

Cash balance charged to City Register
January 1, 1896..... \$ 520,561 35

Received from City Collector:

Account tax levy, 1896, first twenty wards	\$4,195,476 72	
Account taxes in arrears and interest, first twenty wards.....	1,316,376 09	
Account taxes, Annex (in- cluding arrears and in- terest)	196,954 94	
Account sinking funds (taxes in arrears)	89,758 14	
Account water tax (taxes in arrears)	3,267 30	
Account opening and clos- ing streets, etc.....	55,253 03	
Account paving streets, etc.	77,346 44	
	<hr/>	\$5,934,432 66

(For items in detail, see Statements
Nos. 2, 7 and 8).

Received from Various Sources:

Water Board (rents, etc.).	\$ 789,532 01
Park Board (city railway receipts, etc.)	249,403 59
For account interest on stock debt (see State- ment No. 2).....	383,527 50

For account public schools (State of Maryland and other sources. See State- ment No. 2)	\$213,038 59
Liquor licenses (see State- ment No. 2.....)	400,181 53
General licenses (see State- ment No. 2.....)	66,470 70
Markets (licenses, rents, etc.).....	63,477 45
State tax on city loans (see Statement No. 2.....)	8,105 25
For account city poor, ad- ditional from Bay View Asylum and fines	4,472 71
For account of Jail Board.	8,352 59
Removed cases from counties	2,523 55
From Quarantine Hospital	11,957 46
From permits for sheds, signs, etc.....	10,918 08
From wharfage.....	27,509 25
From Inspector Gas Meters, etc.....	3,095 75
From sundry parties, ac- count of temporary loans	4,200,000 00
From intestate estates....	2,087 06
From State of Maryland for free text books for account of public schools	52,521 13
From Finance Commis- sioners for sale of Stock- account 6 Million Loan.	1,093,750 00
From Stock-account 4 Mil- lion Loan.....	12,600 00
From telephone conduits..	4,635 80
“ sale of old material and refuse.....	6,836 52
From sale of old material account street opening..	3,770 35

From ground rents from sundry parties.....	\$ 542 83
From Charity Organization Society.....	163 45
From rents from Gay st., Hollins street and For- rest streets, pending openings held for adjust- ment.....	3,465 40
From Electrical Subway Commission.....	2,232 31
From auction duties.....	8,334 92
“ Fire Department(sale of material).....	556 19
From turnpike dividends..	521 20
“ Dog Pound (sale of dogs).....	404 92
From sale of city property.	1,420 00
“ Maryland Construc- tion Company for ac- count North ave. bridge.	21,824 61
For account opening Whitelock street.....	10 00
From Park Board, account of squares.....	24,309 82
Received for account of various streets, held for maturity of paving cer- tificates.....	25,911 83
City Library.....	230 50
Topographical Survey....	235 81
Grade advertising.....	83 76
City Collector.....	684 87
Hospitals.....	49 21
Health Department.....	5 00
Registration.....	126 25
Superintendent City Hall.	4 50
City seals.....	41 70
Conscience funds.....	163 00

General revenue (through		
Finance Commissioners.	\$15,000	00
Tax sales	2,636	77
Cross Street Hall.....	259	00
Hollins Hall.....	242	00
Judgments and suits.....	319	14
	<hr/>	<hr/>
		\$7,728,545 86
Total		<hr/>
		\$14,183,539 87

EXPENDITURES.

Department of Inspector of	
Buildings	\$174,775 95
Department of Street	
Cleaning	363,458 39
Department of General	
Superintendent of Lamps	400,652 33
Harbor Commission.....	76,133 03
Health Department.....	86,978 70
Fire Department.....	413,858 63
City Commissioner's De-	
partment.....	212,195 44
City Library.....	6,239 44
Superintendent of City	
Hall	25,351 93
Care of City and Circuit	
Courts	10,033 29
City Collector's Depart-	
ment.....	57,300 13
Commissioners for Open-	
ing Streets.....	7,301 23
Supervisors of Elections,	
salaries and expenses	
(not including registra-	
tion and election).....	9,539 14
Liquor License Commis-	
sion.....	14,718 52

General expenditures (including elections).....	\$586,079 33	
Public schools.....	1,238,505 63	
Police Department.....	831,242 52	
City poor.....	343,883 62	
Certain expenses (courts, jail, registration).....	263,655 41	
Interest on stock debt....	1,380,240 97	
Opening streets.....	99,099 61	
Commissioners of Finance, for sinking funds	361,861 84	
	<hr/>	\$6,963,105 08

(For items in detail, see Statement No. 3).

ACCOUNT OF FIVE MILLION 1928 LOAN.

Constructing sewers.....	1,878 42	
School-houses and lots....	120 42	
	<hr/>	\$1,998 84

(For items in detail, see Statement No. 4).

ACCOUNT OF SIX MILLION LOAN.

Court House and Record Building	\$294,110 29	
Paving streets.....	85,965 45	
School houses and lots....	22,023 74	
Opening and widening streets	152,648 81	
Constructing sewers.....	192,369 62	
Building bridges.....	35,524 90	
Conduits for underground wires	115,973 14	
	<hr/>	\$898,615 95

(For items in detail, see Statement No. 5).

ACCOUNT OF FOUR MILLION 1945 LOAN.

Enlargement of water supply.....		\$ 12,779 57
Temporary loans returned.		4,415,000 00
Cleaning and repairing of markets.....	\$ 4,725 07	
Cleaning and repairs of public halls	182 30	
Various squares.....	25,081 75	
Judgments and suits.....	8,212 51	
Refunded taxes.....	40,179 66	
Direct tax (B. & O. scrip).	2 50	
Tax sales.....	989 78	
Inspecting gas and oils...	27 90	
Montevue Hospital.....	156 00	
Water Board expenses...	831,364 25	
Park Board (expenses of parks, etc.).....	250,653 46	
Patterson Park extension.	408 63	
Opening streets.....	52,315 77	
Paving	98,816 39	
Building North avenue bridge (special).....	22,180 78	
Improvement Harford Run	4,458 96	
Fines remitted.....	219 50	
Commissions and incidentals of harbor masters..	7,131 30	
Advertising, permits for sheds, etc	688 66	
Expenses in connection with Gay street rents...	171 70	
Expenses in connection with intestate estates...	101 20	
Expenses in connection with sale of city property.....	35 00	
Free text books, account public school.....	41,171 27	

Premium on sale of stock returned to Finance Commissioners.....	\$26,150 00	
Commissioners of Finance sinking funds in arrears. .	89,758 14	
Water Board, water tax in arrears.....	3,267 30	
Advertising in establish- ing street grades.....	82 11	
Account Electrical Sub- way Commission.....	2,232 31	
Finance Commissioners, proceeds of sale of city property.....	1,385 00	
Ground rents city prop- erty, not included in ap- propriations.....	542 83	
Transportation of poor, not included in appro- priations.....	163 45	
Returned for over-payment on account of sewers...	10 00	
	<hr/>	1,512,865 48
Total payments.....	\$13,804,364 92	
Balance charged to City Register		<hr/> <hr/> \$379,174 95

ANNUAL REPORTS
OF THE
REGISTER OF THE CITY
AND OF THE
COMMISSIONERS OF FINANCE
TO THE
MEMBERS OF THE FIRST AND SECOND BRANCHES OF
THE CITY COUNCIL OF BALTIMORE,
FOR THE
FISCAL YEAR ENDING DECEMBER 31st, 1896.

REPORT
OF
WILLIAM F. STONE,
REGISTER OF THE CITY.

REGISTER'S REPORT.

OFFICE OF THE REGISTER OF THE CITY,

BALTIMORE, MD., January 2d, 1897.

To the Honorable the Members of the

First and Second Branches of the City Council:

GENTLEMEN: As required by Section 22 of Article 11 of Baltimore City Code of 1893, I have the honor of presenting herewith an "account of all monies received and disbursed by this department during the year ending December 31st, 1896." A statement of estimated receipts and tables of estimated amounts required by the several departments for the year ending December 31st, 1897; tables showing the funded and guaranteed debt December 31st, 1896; the "productive and interest-bearing securities, as well as the unproductive securities;" a statement showing the liabilities of the city as of December 31st, 1896; and returns of the "Keeper of the Standards of Weights and Measures" (as required by Section 50, Article 28, Baltimore City Code of 1893); and also "Statement showing the condition of the fund held by the City Register in trust for property sold for taxes:

The receipts into the treasury from all sources during the fiscal year ending December 31st, 1896, as detailed in statements D and E of this report, were.....	\$13,662,978 52
To which add the cash balance of December 31st, 1895....	520,561 35
Making a total amount to be accounted for.....	\$14,183,539 87
The total disbursements for the year, as also detailed in Statements D and E, were... ..	13,804,364 92
Leaving cash balance on hand December 31st, 1896.....	\$379,174 95

ESTIMATED REQUIREMENTS FOR THE CURRENT YEAR.

In statement B of this report are exhibited in detail the estimated requirements for the current fiscal year for the first twenty wards of the city, amounting in the aggregate to.....		\$8,253,525 40
And for the Twenty-first and Twenty-second wards, as detailed in the same statement.....		459,180 95
*Total amount of estimated requirements.....		\$8,712,706 35
From this amount deduct the estimated receipts from taxes in arrears and other sources shown in statement "C" of this report.....		3,015,429 30
And the estimated amount to be levied for will be.....		\$5,697,277 05
In the year 1896 the estimated amount was.....		5,615,763 59
Increase in estimates for the fiscal year over the fiscal year of 1896.....		\$81,513 46

*\$1,453,300 of Funding Three-and-one-half Per Cent. 1936 Stock authorized to be issued under Ordinance No. 112 of 1896, for the purpose of funding the floating debt existing on December 31st, 1895, will be sold early in the current year and the net proceeds applied to the liquidation of said debt, thus reducing the amount of estimated requirements to be levied for to the extent of \$1,453,300.

FUNDED AND GUARANTEED DEBT.

The funded and guaranteed debt of the city on December 31st, 1896, is \$33,502,018.43, and on December 31st, 1895, it was \$32,437,818.43, an increase of \$1,064,200, and is thus explained :

Issue of Public Improvement Three-and-one-half Per Cent.	
1940 Loan during the year 1896.....	\$1,067,600 00
Issue of Four Million Three-and-one-half Per Cent. 1945 Loan	
during the year 1896.....	12,600 00
Total issue.....	\$1,080,200 00
Less:	
Amount of Water Five Per Cent 1894 Loan	
redeemed.....	\$15,000 00
Amount of Consolidated Six Per cent. Loan 1890 re-	
deemed.....	1,000 00
	<u>16,000 00</u>
Thus showing the net increase to have been.....	<u>\$1,064,200 00</u>

I beg leave to call your attention to the report of the Commissioners of Finance for the condition of the various sinking funds under their charge and belonging to the city, as of December 31st, 1896, and also to the accompanying tables.

Table A is a statement of the funded and guaranteed debt of the city.

Table B is an estimate of requirements for the current fiscal year, and also a statement of the floating debt.

Table C is an estimate of receipts for the current fiscal year.

Table D is a detailed statement of the receipts and disbursements for the past fiscal year, and also the appropriations for the various accounts.

Table E shows the aggregate monthly receipts and disbursements.

Table F shows the monthly returns from the Keeper of Standards of Weights and Measures.

Table G shows the condition of the fund held by the City Register in trust for property sold for taxes.

Respectfully submitted,

WILLIAM F. STONE,

Register of the City.

STATEMENTS.

STATEMENT A.—FUNDED AND GUARANTEED DEBT.

NAME OF LOAN.	RATE.	WHEN REDEEMABLE.	AMOUNT.
City Hall.....	6 per ct.	March 15, 1900.....	\$1,000,000 00
Jones Falls.....	6 "	April 9, 1900.....	800,000 00
".....	5 "	" 9, 1900.....	957,000 00
".....	3 $\frac{6.5}{100}$ "	" 9, 1900.....	483,000 00
".....	3 $\frac{1}{2}$ "	" 9, 1900.....	160,000 00
".....	3 "	" 9, 1900.....	100,000 00
Funding.....	6 "	At pleasure after July 1, 1900.	800,000 00
Western Md. R. R.	6 "	January 1, 1902.....	1,000,000 00
City Hall.....	6 "	March 7, 1902.....	500,000 00
Harford Run.....	4 "	November 3, 1904.....	350,000 00
Water.....	5 "	At pleasure after July 1, 1916.	5,000,000 00
Funding.....	5 "	" " July 1, 1916.	1,000,000 00
McDonogh Ext.....	5 "	September 1, 1916.....	280,000 00
Harford Run.....	4 "	At pleasure after Jan. 1, 1920.	250,000 00
Patterson Park....	4 "	October 1, 1920.....	200,000 00
Paving.....	4 "	At pleasure after Nov. 1, 1920.	500,000 00
Water.....	4 "	" " Nov. 1, 1922.	500,000 00
Western Md. R. R.	4 "	July 1, 1925.....	684,000 00
Water.....	4 "	At pleasure after Nov. 1, 1926.	1,000,000 00
Western Md. R. R.	3 $\frac{1}{4}$ "	January 1, 1927.....	1,704,000 00
Internal Improv't..	3 $\frac{1}{2}$ "	July 1, 1928.....	4,850,000 00
Consolidated.....	3 $\frac{1}{2}$ "	At pleasure after July 1, 1930.	5,000,000 00
Public Improv'm't..	3 $\frac{1}{2}$ "	January 1, 1940.....	4,750,000 00
Four Million.....	3 $\frac{1}{2}$ "	March 1, 1945.....	735,100 00
1860 Stock.....	6 "	Unredeemed, no int. allowed.	482 00
Water, 1875.....	6 "	" " " "	540 00
One Million, 1886..	6 "	" " " "	630 50
Consolidated, 1890.	6 "	" " " "	12,962 48
Five Million, 1890.	6 "	" " " "	2,003 45
Exempt, 1893.....	6 "	" " " "	500 00
Consolidated, 1893.	6 "	" " " "	300 00
Water, 1894.....	5 "	" " " "	3,500 00
Park Imp't, 1895..	6 "	" " " "	3,000 00
			\$32,627,018 43

GUARANTEED DEBT.

W. Md. R. R. 1900 Six Per Cent. Third Mortgage Bonds....	875,000 00
Total funded and guaranteed debt	\$33,502,018 43

<i>Amount brought forward</i>	\$33,502,018 43
From which deduct—	
Water Loans of 1916, 1922, 1926, and part of Four Million 1945 Loan (\$12,600), the in- terest on which is paid by revenue from water rents.....	\$6,512,600 00
Patterson Park Extension Loan, on which interest is paid by Park Board.....	200,000 00
Part of Four Million 1945 Loan, on which interest is paid by Park Board.....	722,500 00
Commissioners of Finance on Western Mary- land Railroad Six Per Cent. 1902 Loan....	1,000,000 00
Commissioners of Finance on Western Mary- land Railroad Six Per Cent. Third Mort- gage Bonds.....	875,000 00
Western Maryland Railroad Company, on Western Maryland Three-and-one-quarter Per Cent. 1927 Loan.....	1,704,000 00
Western Maryland Railroad Company, on Western Maryland Railroad Four Per Cent. 1925 Loan.....	684,000 00
Overdue stock, no interest allowed.....	23,918 43
	11,722,018 43
Leaving the amount on which interest is paid by taxation at.....	\$21,780,000 00
Viz.: \$ 3,100,000 00 interest at 6 per cent.	
2,237,000 00 " " 5 "	
1,100,000 00 " " 4 "	
14,760,000 00 " " $3\frac{1}{2}$ "	
483,000 00 " " $3\frac{65}{100}$ "	
100,000 00 " " 3 "	
 \$21,780,000 00	

ASSETS OF THE CITY.

Productive.

Mortgages on Western Maryland Railroad Company.....	\$2,388,000 00
Value of sinking fund.....	3,523,871 57
Value of water works.....	10,500,000 000
550 shares of Baltimore and Reisterstown Turnpike stock.....	2,062 50
137 shares of Baltimore and Frederick Turn- pike stock.....	456 66
Real estate, annual rental.....	\$10,225 11
Market property, annual rental... 45,000 00	
Wharf property, annual rental... 20,000 00	
	<hr/> \$75,225 11
Capitalized at 6 per cent.....	1,253,751 83
	<hr/>
	\$17,668,142 56

Unproductive.

Accrued interest to January 1, 1887, on Western Maryland Railroad Second Mortgage Bonds, redeemed.....	\$333,000 00	
Interest on Western Maryland Railroad Four Per Cent. 1925 Loan from July 1, 1894.....	68,400 00	
Interest on Western Maryland Railroad Three-and-one-quarter Per Cent. 1927 Loan from July 1, 1894.....	138,450 00	
Fourth Mortgage on Western Maryland Railroad Company.....	\$1,000,000 00	
Accrued interest to date.....	1,470,000 00	
		2,470,000 00
Third Mortgage on Western Maryland Railroad Company.....	\$ 875,000 00	
Accrued interest to date.....	1,365,000 00	
		2,240,000 00
10,000 shares Valley Railroad Company of Virginia, cost.....	1,000,000 00	
4,000 shares of Western Maryland Railroad stock, cost.....	200,000 00	
130 shares of Baltimore and Havre de Grace Turnpike stock.		
625 shares of Baltimore and York Turnpike stock.		
Besides other property, such as— Court-houses, Record Office, City Hall, Jail, police stations, fire-engine houses, and apparatus, school-houses, Almshouse, ice-boats, quarantine stations, public parks, squares, etc., valued at.....	10,000,000 00	
		<u>\$16,449,850 00</u>

STATEMENT B.

The following statement shows the present floating indebtedness and the estimated expenses of the city for the current year to be provided for in the tax levy for 1897.

EXISTING CLAIMS.

Balance due Hartford Run account.....	\$ 3,135 53
Paving Certificates outstanding.....	25,911 83
Due public schools, on account of free text books.....	11,349 86
Due Park Board.....	4,638 85
“ Water Board.....	74,031 40
“ Internal Improvement 1928 Loan.....	126,740 26
	<u>\$245,807 73</u>
<i>Amount carried forward</i>	<i>\$245,807 73</i>

<i>Amount brought forward</i>	\$245,807 73	
Due Public " 1940 "	120,384 68	
" Permanent Water Supply.....	437 32	
" Extension of Patterson Park Account...	101 18	
" for benefits collected for Opening Streets	10,794 78	
" for Assessments collected for Paving Streets.....	19,803 45	
" for Rents collected from property holders on Gay, Hollins and Forrest streets....	3,293 70	
Due Public Schools from Intestate Estates....	1,985 86	
" Ramsay Street Bridge (special).....	164 62	
Temporary Loans from Banks.....	1,500,000 00	
		\$1,902,773 32
Due by Four Million 1945 Loan.....	\$ 45 87	
" " Water Board for November, 1896, Interest on Water Loans.....	155,000 00	
" for Paving Footways.....	291 54	
Cash balance December 31st, 1896.....	379,174 95	
		534,512 36
Floating debt.....		\$1,368,260 96

Taxes in Arrears.

For 1896 and previous years—city.....	2,017,571 10
" " " " " " Annex (21st and 22d Wards)	78,748 23
	\$2,096,319 33

Estimated requirements for the fiscal year ending December 31, 1897 :

INSPECTOR OF BUILDINGS' DEPARTMENT—As per following detailed statement:

OFFICE INSPECTOR OF BUILDINGS—CITY HALL.

BALTIMORE, January 13, 1897.

WILLIAM F. STONE, Esq., *City Register* :

DEAR SIR: The following are the estimates of the expenses for this department for the year 1897 :

FOR THE FIRST TWENTY WARDS.

Repairs of school-houses.....	\$25,000 00	
" " city property	20,000 00	
Sanitary and other improvements.....	10,000 00	
Emptying cesspools.....	1,500 00	
Incidentals.....	500 00	
Livery.....	500 00	
Salaries.....	15,200 00	
<i>Amounts carried forward</i>	\$72,700 00	\$1,368,260 96

<i>Amounts brought forward</i>	\$72,700 00	\$1,368,260 96
Building Western Female High School.....	5,257 45	
" Baltimore City College.....	60,000 00	
" No. 4 Primary School.....	5,000 00	
" No. 9 Colored School.....	25,234 97	
" Male and Female Colored School....	20,000 00	
" Male and Female Colored School No.4.	24,971 80	
" No. 8 Colored School.....	29,979 70	
" No. 7 Grammar School.....	29,989 00	
		273,132 92

FOR THE TWENTY-FIRST AND TWENTY-SECOND WARDS.

Building No. 18 Annex School.....	\$34,053 05	
" " 20 Engine House.....	1,408 04	
" " 21 " ".....	15,000 00	
" " 3 Annex School.....	31,831 10	
Repairs city property, Annex.....	5,000 00	
Salaries, Annex.....	1,200 00	
Livery.....	200 00	
		88,692 19

SUMMARY

First twenty Wards.....	\$273,132 92
Twenty-first and Twenty-second Wards.....	88,692 19
Total.....	\$361,825 11

BENJ. B. OWENS, *Inspector of Buildings.*Per ALEX. M. MONTELL, *Clerk.*

DEPARTMENT OF STREET CLEANING—As per following detailed statement:

OFFICE OF COMMISSIONER OF STREET CLEANING—CITY HALL.

BALTIMORE, JAN. 13, 1897.

WM. F. STONE, Esq., *City Register:*

DEAR SIR: The estimate for the Street Cleaning Department for 1897 is hereby submitted:

153 garbage carts and men at \$18 per week....	\$143,208 00	
80 street " " " " " " " "....	74,880 00	
171 sweepers and scrapers " \$10 " " "....	88,920 00	
Salaries.....	9,000 00	
Contingent Fund.....	400 00	
Sweeping machines, sprinklers, hire of horses, etc.....	20,000 00	
Dumps.....	2,400 00	
Contract for removal of garbage.....	9,400 00	
		348,208 00
<i>Amount carried forward</i>		\$2,078,294 07

Amount brought forward..... \$2,078,294 07

ANNEX.

20 garbage carts and men at \$18 per week....	\$18,720 00
10 street " " men " \$18 " "	9,360 00
20 sweepers and scrapers " \$10 " "	10,400 00
Salary of superintendent.....	1,000 00
Tools.....	125 00

39,605 00

Yours respectfully,

ANDREW W. BOSTWICK, *Commissioner*.

GENERAL SUPERINTENDENT OF LAMPS' DEPARTMENT—As per following detailed statement:

ESTIMATED AMOUNT REQUIRED FOR THE YEAR 1897.

CITY PROPER.

Gas Account.

4,994 gas lamps burning 4,000 hours each at 5 feet per hour, 99,880,000 cubic feet, at \$1.25 per M.....	\$124,850 00
Gas for markets, 195,000 cubic feet at \$1.25 per M.....	243 75
Gas for Squares, 1,400,000 cubic feet at \$1.25 per M.....	1,750 00
Gas for Washington Monument, 87,000 cubic feet at \$1.25 per M.....	108 75
150 new gas lamps (say 2,000 hours each) 1,500,000 cubic feet at \$1.25 per M.....	1,875 00
Erecting 150 new gas lamps at \$7.50 each.....	1,125 00
50 doz. Miner Globes for replacing broken ones	480 00
Repairs of services, straightening posts.....	1,000 00
Replacing broken globes and repairs to burner stops.....	1,000 00
Tin, solder, acid and necessary material for repairing the old lamps, and keeping them in repair	300 00
Livery.....	300 00
20 doz. new Miner Lamps at \$4.00 each.....	960 00
Removing disused posts.....	1,500 00
Repairing gas lamps	1,500 00
Street signs and frames and putting same in position.....	3,500 00
Repairs to gas pipe in Markets and City Buildings) and repair to wagon and harness.....	150 00
Meter Seals, Advertising and Incidentals.....	150 00

140,792 50

Amount carried forward.....

\$2,258,691 57

Amount brought forward..... \$2,258,691 57

Electric Light Account.

1,299 electric arc lights at 35 cents each per night	\$165,947 25	
50 additional at 35 cents each per night.....	6,387 50	
Incandescent lamps (16) at No. 6 Engine House clock	192 00	
Repairs to instruments and calibrating the same, and incidentals.....	200 00	
		172,726 75

Gasoline Account.

327 gasoline lamps (necessary gasoline and filling) at \$13.00 each.....	\$4,251 00	
50 additional gasoline lamps (necessary gasoline and filling) 6 months.....	325 00	
Painting and repairing lanterns.....	200 00	
Glass for reglazing, also repairs to burners....	600 00	
Tin, solder, acid and necessary materials for repairing and keeping in repair the old lanterns.....	500 00	
Erecting and straightening posts, and also advertising and incidentals.....	150 00	
		6,026 00

Salary Account

Office salaries.....	\$ 3,000 00	
Five superintendents of lamplighters.....	3,250 00	
108 lamplighters.....	44,928 00	
		51,178 00

ANNEX.

Gas Account.

845 gas lamps burning 4,000 hours each at 5 feet per hour, 16,900,000 cubic feet at \$1.25 per M.....	\$21,125 00	
100 new Gas Lamps, average 6 months, burning (say 1,000,000 cubic feet) at \$1.25 per M..	1,250 00	
Erecting 100 new lamp-posts at \$7.50 each....	750 00	
Repairs to services, straightening posts, etc....	225 00	
Repairing and painting lanterns.....	300 00	
Six doz. new Miner lamps at \$4.00 each.....	288 00	
100 new iron posts at \$5.00 each.....	500 00	
Glass for lanterns (replacing that broken)....	90 00	
Repairs to burners and stops... ..	50 00	
Signs, frames and putting in position, etc....	100 00	
New burners, tips, advertising and incidentals.	75 00	
Livery.....	300 00	
		25,053 00
<i>Amount carried forward</i>		\$2,513,675 32

Amount brought forward..... \$2,513,675 32

Electric Light Account.

39 electric arc lamps at 35 cents each per night	\$4,982 25	
6 ordered by resolution, but not yet erected,..	766 50	
10 additional lamps,.....	1,277 50	
	<hr/>	7,026 25

Gasoline Account.

653 gasoline lamps (necessary gasoline and filling) at \$13 each.....	\$8,489 00	
Fifty additional lamps, six months' average ..	325 00	
Painting and repairing old lanterns	500 00	
Glass for lanterns (replacing that broken).....	100 00	
Erecting and straightening posts, etc.....	100 00	
Repairs to gasoline burners and valves	50 00	
New gasoline burners, valves, wicks and incidentals.....	150 00	
	<hr/>	9,714 00

Salary Account.

One superintendent of lamplighters.....	\$ 936 00	
Thirty-nine lamplighters.....	16,224 00	
Two lamplighters additional.....	832 00	
	<hr/>	17,992 00

Respectfully submitted,

WM. H. SWINDELL, *Gen. Sup't of Lamps.*

HARBOR COMMISSION—As per following detailed statement:

HARBOR BOARD OF BALTIMORE, ENGINEER'S OFFICE,

BALTIMORE, January 14, 1897.

MR. WM. F. STONE, *City Register*:

DEAR SIR: The Harbor Board will ask appropriations for 1897 as follows:

Ice-boats, deficiency of 1896.....	\$ 9,801 06	
Harbor, deficiency of 1896.....	361 73	
Salary of engineer and clerk.....	5,000 00	
Harbor (dredging harbor, docks and channels, including operation and maintenance of tug)	45,000 00	
Dredging Bush street dock and channel.....	10,000 00	
Ice-boats (operation and maintenance).....	20,000 00	
Bulkhead at City Dock (continuation of wall).	10,000 00	
Repairs to wharves (repairs and supervision)..<	5,000 00	
Removal of ashes from tow-boats.....	1,500 00	
Removal of floating matter.....	2,500 00	
	<hr/>	109,162 79

Respectfully, etc.,

N. H. HUTTON, *Engineer.*

Amount carried forward..... \$2,657,570 36

Amount brought forward..... \$2,657,570 36

HEALTH DEPARTMENT—As per following detailed statement:

HEALTH DEPARTMENT—CITY HALL,

BALTIMORE, January 13, 1897.

WILLIAM F. STONE, Esq., *City Register*:

DEAR SIR: I respectfully transmit the following estimate of the expenses of the Health Department for the year 1897:

Salaries	\$40,500 00	
General health	20,000 00	
Post-mortems	1,500 00	
Quarantine Hospital.....	20,000 00	
Removal of canning-house refuse.....	5,000 00	
		87,000 00
CITY ANNEX.		
Salaries.....		3,800 00

Very truly yours,

JAMES F. MCSHANE, M.D., *Commissioner of Health*.

FIRE DEPARTMENT—As per following detailed statement:

OFFICE OF BOARD OF FIRE COMMISSIONERS—CITY HALL,

BALTIMORE, January 13, 1897.

MR. WILLIAM F. STONE, *City Register*:

DEAR SIR: I beg to submit herewith estimate of the requirements of this department for 1897:

CITY.		
Salaries.....	\$286,300 00	
Expense	135,971 50	
		422,271 50
ANNEX.		
Salaries.....	\$32,700 00	
Expense	14,418 20	
Special appropriation No. 20 Engine Company.		
Ordinance No. 11, December 15, 1896.....	24 650 00	
		71,768 20

Very respectfully,

STANLEY BAKER, *Secretary and Clerk*.

By order of the Board:

Amount carried forward..... \$3,242,410 06

Amount brought forward..... \$3,242,410 06

CITY COMMISSIONER'S DEPARTMENT—As per following detailed statement:

OFFICE OF CITY COMMISSIONER—CITY HALL,

BALTIMORE, January 14, 1897.

WILLIAM F. STONE, Esq., *City Register*:

DEAR SIR: Below is a statement of the money required to defray the expenses of this department during 1897. These estimates are not made extravagantly large with the expectation of having them reduced by the Committee of Ways and Means. The amounts called for are actually needed, and if the projected improvements are not made now, it will entail additional expense in a few years, when the work *will have to be done*, or necessitate closing some of the thoroughfares against public travel. Suits are now pending on account of damages received by parties by reason of the defective condition of our streets.

The item \$1,089, for macadamizing Augusta avenue, was provided for by resolution of the Mayor and City Council in 1896; but the work not having been done by January 1, 1897, the above amount will have to be provided for this year.

Yours truly,

W. A. HANWAY, *City Commissioner*.

<i>Accounts.</i>	<i>Am't required for 1897.</i>	
For repairs of sewers.....	\$ 10,000 00	
“ repairs and painting bridges.....	20,000 00	
“ repairs of paved streets.....	125,000 00	
“ repairs of unpaved streets.....	8,000 00	
“ paving in front city property.....	300 00	
“ paving and repaving cross streets.....	40,000 00	
“ flag and stepping-stones.....	2,500 00	
“ livery and transportation.....	2,000 00	
“ incidentals.....	200 00	
“ Light street bridge maintenance.....	11,170 00	
“ salaries.....	40,000 00	
“ rental of storage lots.....	200 00	
“ advertising.....	200 00	
“ macadamizing Augusta avenue.....	1,089 00	
		260,659 00
ANNEX.		
For repairs roads, streets and bridges.....	20,000 00	
<i>Amount carried forward</i>		\$3,523,069 06

Amount brought forward \$3,523,069 06

CITY LIBRARY—As per following detailed statement :

CITY LIBRARY—CITY HALL.

BALTIMORE, December 29, 1896.

WILLIAM F. STONE, Esq., *City Register* :

DEAR SIR: The estimate for the Library for 1897 is herewith submitted :

Stationery, printed matter and blank books..	\$5,308 54
Advertising proposals.....	75 00
Purchase and binding of books.....	250 00
Telephone hire.....	66 00
Salaries	2,400 00

8,099 54

Very respectfully,

GEORGE W. MCCREARY, *City Librarian*.

SUPERINTENDENT OF PUBLIC BUILDINGS—As per following detailed statement:

OFFICE OF SUPERINTENDENT PUBLIC BUILDINGS—
CITY HALL,

BALTIMORE, January 9, 1897.

MR. WILLIAM F. STONE, *City Register*:

DEAR SIR: The following is the estimate of expenses for Superintendent of Public Buildings for the year ending December 31, 1897:

SALARIES,

City Hall.

1 Superintendent Public Buildings.....	\$1,500 00
1 janitor public buildings	900 00
3 day watchmen, \$1,000	3,000 00
1 night "	1,000 00
1 elevator conductor.....	900 00
2 firemen, \$900.	1,800 00
1 window cleaner.....	360 00
1 superintendent char-women.....	480 00
27 char-women, \$300.....	8,100 00

18,040 00

GENERAL EXPENSES,

City Hall.

General repairs.	\$ 800 00
" supplies.....	500 00
Towel service	200 00
Furniture repair	300 00

Amounts carried forward..... \$1,800 00 \$3,549,208 60

<i>Amounts brought forward</i>	\$1,800 00	\$3,549,208 60
Lighting, gas and electric	3,500 00	
Clock repairs.....	50 00	
New furniture.....	500 00	
Ice	300 00	
Curtains	100 00	
Carpets	500 00	
Coal and wood	1,650 00	
Carpet cleaning	325 00	
Incidentals, labor, etc.....	275 00	
		9,000 00

City Hall Annex.

1 night watchman	\$1,000 00	
1 fireman and janitor.....	720 00	
3 char-women, \$300.....	900 00	
		2,620 00

City Hall Annex.

General supplies.....	\$ 550 00	
Ice	100 00	
Lighting, gas and electric.....	250 00	
Coal and wood.....	250 00	
Incidentals, labor, etc	50 00	
Rent.....	1,800 00	
		3,000 00

City Court Houses.

1 fireman and night watchman.....	\$900 00	
1 day watchman.....	480 00	
1 janitor	350 00	
6 char-women, \$300.....	1,800 00	
		3,530 00

City Court Houses.

Lighting, gas and electric.....	\$2,350 00	
1 electric fan (large).....	300 00	
14 electric fans.....	350 00	
Coal and wood.....	1,600 00	
Ice	200 00	
General supplies	400 00	
Repairing furniture.....	150 00	
Cleaning carpets.....	75 00	
New furniture and carpets.....	200 00	
Incidentals, labor, etc.....	85 00	
		5,710 00

Recapitulation.

Salaries, City Hall.....	\$18,040 00	
“ “ Annex.....	2,620 00	
“ city court houses.....	3,530 00	
General expenses, City Hall.....	9,000 00	
“ “ Annex.....	3,000 00	
“ “ city court houses.....	5,710 00	
		\$41,900 00

Respectfully submitted,

THEODORE F. LANG, *Supt. Public Buildings.*

<i>Amount carried forward</i>	\$3,573,068 60
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Amount brought forward..... \$3,573,068 60

CITY COLLECTOR'S DEPARTMENT—As per following detailed statement:

TAX DEPARTMENT,
OFFICE OF THE CITY COLLECTOR—CITY HALL,

BALTIMORE, January 7, 1897.

WILLIAM F. STONE, Esq., *City Register*:

DEAR SIR: I submit the following estimates for salaries and expenses of the Tax Department and salaries of the Judges and employes of the Appeal Tax Court for the year ending December 31, 1897, aggregating \$60,800:

TAX DEPARTMENT.		
1 City Collector.....	\$ 2,000 00	
1 Deputy City Collector	2,500 00	
1 cashier	1,600 00	
1 assistant cashier	1,400 00	
1 bookkeeper	1,600 00	
1 general cash bookkeeper	1,600 00	
1 transfer clerk.....	1,300 00	
1 Annex clerk	1,300 00	
13 ledger clerks, at \$1,300 each.....	16,900 00	
Incidental expenses of Tax Department.....	3,000 00	
4 additional ledger clerks for the new assessments, if necessary, at \$1,300.....	5,200 00	
	<hr/>	
	\$38,400 00	
APPEAL TAX COURT.		
3 Judges, at \$1,800	\$ 5,400 00	
1 chief clerk	1,600 00	
1 assistant clerk	1,600 00	
1 assessor of new improvements, city	1,400 00	
1 " " " city Annex..	1,200 00	
1 clerk to assessors.....	1,200 00	
28 assessors of personal property.....	10,000 00	
	<hr/>	
	\$22,400 00	60,800 00
Very respectfully,		
W. H. LYTLE, <i>Deputy Collector</i> .		

COMMISSIONERS FOR OPENING STREETS.

Salaries.....	\$9,900 00	
Expenses.....	200 00	
	<hr/>	
		10,100 00
<i>Amount carried forward</i>		<hr/>
		\$3,643,968 60

Amount brought forward..... \$3,643,968 60

SUPERVISORS OF ELECTIONS—As per following detailed statement:

OFFICE OF BOARD OF SUPERVISORS OF ELECTION—
CITY HALL,
BALTIMORE, January 6, 1897.

WM. F. STONE, Esq., *City Register*:

DEAR SIR: I am instructed by the Board of Supervisors of Elections to submit the following as their estimate of the expenses of this department for the year 1897:

For registration account	\$50,000 00	
" election	20,000 00	
" salary	9,500 00	
" expense	1,500 00	
		81,000 00

Very respectfully,

HUGH McELDERRY, *Chief Clerk*.

LIQUOR LICENSE COMMISSION—As per following detailed statement.

OFFICE OF BOARD OF LIQUOR LICENSE COMMISSIONERS,
BALTIMORE, January 13, 1897.

WILLIAM F. STONE, Esq., *City Register*:

DEAR SIR: The estimate for the Liquor License Commissioners for 1897 is hereby submitted:

Salaries	\$10,800 00	
Expense	4,200 00	
		15,000 00

T. FRANK TYLER, *President*.

GENERAL EXPENDITURES.

Diary of City Council	\$ 62,000 00
General expense	1,500 00
Mayoralty	2,000 00
Salaries, not otherwise provided for	53,848 80
Public printing	5,000 00
Discount on taxes	127,000 00
Interest on temporary loans	10,000 00
" " paving certificates	219 15
State tax on city loans	45,000 00
Ground rents on city property	47,500 00
Insurance on city property	1,000 00
New assessment of property	85,000 00
Topographical Survey	8,654 16
Sewerage Commission	5,775 13

Amounts carried forward..... \$454,497 24 \$3,739,968 60

<i>Amounts brought forward</i>	\$454,497 24	\$3,739,968 60
Maryland Institute.....	9,000 00	
Ringling mechanics' bells.....	200 00	
Winding Maryland Institute clock.....	75 00	
Transportation to House of Correction.....	250 00	
Dog Pound.....	1,300 00	
General license.....	1,000 00	
Sprinkling Mt. Royal avenue.....	900 00	
Assistance to Examiner of Titles.....	800 00	
Hose for various markets.....	500 00	
Underground wires.....	7,877 13	
Enoch Pratt Free Library Fund Deficiency, 1897.....	497 50	
Pension account, W. H. War	260 00	
Veteran Volunteer Firemen's Association.....	500 00	
Refunded taxes.....	5,000 00	
Water for fire-plugs at Carroll	250 00	
		482,906 87

PUBLIC SCHOOLS—As per following detailed statement:

Estimated amounts required for expenditure by the Commissioners of Public Schools for public school purposes for the year 1897:

For salaries, first twenty wards	\$940,000 00	
“ rents, first twenty wards	15,000 00	
“ stationery, “	15,000 00	
“ heating apparatus, twenty wards.....	16,000 00	
“ furniture in old buildings.....	6,500 00	
“ “ No. 9 Colored, new, 21 rooms... ..	4,500 00	
“ “ No. 9 house in S. W., 12 rooms. . .	2,580 00	
“ “ Colored No. 8, 12 rooms.....	2,580 00	
“ “ Grammar No.4, 18 rooms	3,870 00	
“ “ Grammar No. 7, 12 rooms.....	2,580 00	
“ fuel, first twenty wards	45,000 00	
“ repairs and cleaning, first twenty wards..	15,000 00	
“ incidentals, printing, supplies, etc., first twenty wards.....	18,000 00	
“ night schools.....	14,000 00	
“ Polytechnic Institute	33,688 00	
“ Colored Manual Training School.....	8,525 00	
		1,142,823 00
“ Annex salaries.....	\$135,000 00	
“ “ expenses	32,065 00	
		167,065 00

HENRY M. COWLES, *Secretary.*

January 14, 1897, approved:

JAMES L. MURRILL,
G. W. GAIL,
WALTER KIRWAN.

For lot of ground for Colored School, Ordinance No. 10, 1896.....	\$8,000 00	
For lot of ground for addition to Colored School No. 3, Ordinance No. 98, 1896.....	2,000 00	
		10,000 00
<i>Amount carried forward</i>		\$5,542,763 47

Amount brought forward..... \$5,542,763 47

POLICE DEPARTMENT—As per following detailed statement :

OFFICE BOARD OF POLICE COMMISSIONERS—CITY HALL,

BALTIMORE, January 15, 1897.

To the Mayor and City Council of Baltimore City :

GENTLEMEN: We respectfully submit to you the following as the estimate for the expenditures of this department for the year 1897, viz :

SALARIES (FIXED BY LAW.)

Commissioners.....	\$7,500 00	
Secretary	2,000 00	
Assistant to Secretary.....	1,200 00	
Marshal.....	2,500 00	
Deputy Marshal	2,000 00	
3 police physicians.....	3,000 00	
	<hr/>	
	\$18,200 00	
Clerk to Marshal, \$25 per week.....	1,300 00	
8 captains, \$30 per week.....	12,480 00	
16 lieutenants, \$25 per week.....	20,800 00	
15 detectives, \$23 per week	17,940 00	
14 round sergeants, \$23 per week.....	16,744 00	
74 squad sergeants, \$20 per week.....	76,960 00	
620 policemen, \$18 per week.....	580,320 00	
14 turnkeys, \$18 per week.....	13,104 00	
7 station-house clerks, \$18 per week.....	6,552 00	
35 probation officers, \$12 per week.....	21,840 00	
14 matrons, \$10 per week.....	7,280 00	
	<hr/>	
		793,520 00

MISCELLANEOUS EXPENSES.

Such as gas, fuel, stationery, printing, advertising, electrical supplies, apparatus, station-house supplies, cleaning, etc., maintenance of horses and wagons, mounted service, incidental expenses, etc.....	\$25,000 00	
Account new station-house, Southern District.....	18,750 00	
	<hr/>	
		43,750 00

Very respectfully,

E. M. SCHRYVER, }
JOHN GILL, } *Commissioners.*
D. C. HEDDINGER, }

Amount carried forward..... \$6,380,033 47

Amount brought forward..... \$6,380,033 47

CITY POOR.

Maintenance of Bay View Asylum.....	\$100,000 00
Transportation of poor to homes.....	1,000 00
Friendly Inn.....	1,000 00
St. Mary's Industrial School.....	20,000 00
Mount Hope Retreat.....	45,000 00
Maryland Hospital for the Insane.....	45,000 00
Second Hospital for the Insane, Springfield...	2,500 00
Montevue Hospital.....	600 00
House of Refuge.....	20,000 00
“ “ heating apparatus.....	5,000 00
“ “ Manual Training School.....	3,000 00
House of Reformation.....	12,000 00
College of Physicians and Surgeons' Hospital.	16,900 00
University of Maryland Hospital.....	10,140 00
St. Vincent's Infant Asylum.....	6,000 00
St. Elizabeth's Colored Orphan Asylum.....	3,500 00
Nursery and Child's Hospital.....	3,700 00
Home of the Friendless.....	2,100 00
Industrial Home for Colored Girls.....	2,700 00
Female House of Refuge.....	2,700 00
Maryland Homeopathic Hospital.....	3,380 00
Hospital of the Good Samaritan.....	3,380 00
Deaf and Dumb at Frederick.....	500 00
Shelter for the Aged Colored Poor.....	1,000 00
Boys' Home Society.....	3,000 00
St. Mary's Home for Colored Boys.....	500 00
St. Mary's Female Orphan Asylum.....	9,000 00
St. Joseph's House of Industry.....	1,600 00
Baltimore University Hospital.....	6,760 00
Maryland General Hospital.....	9,295 00
The Simmon's Home.....	800 00
St. Joseph's Hospital.....	5,070 00
St. Agnes' Hospital.....	5,070 00
Baltimore Manual Labor School.....	1,500 00
St. Vincent de Paul Orphan Asylum.....	1,600 00
House of the Good Shepherd for Colored Girls.	2,000 00
Provident Hospital.....	3,380 00
General German Orphan Asylum.....	1,000 00
Hebrew Hospital and Asylum Association....	1,500 00

\$363,175 00

FREE DISPENSARIES.

Dental Department, University of Maryland..	\$ 500 00
Southern Homeopathic.....	800 00
Northeastern.....	1,200 00
Eastern.....	1,800 00
Baltimore General.....	1,800 00
Baltimore Medical College.....	1,200 00
Maryland Homeopathic.....	800 00
College of Physicians and Surgeons.....	1,500 00
Women's and Child's Hospital.....	500 00
Baltimore University “.....	1,000 00

Amounts carried forward..... \$11,100 00 \$6,380,033 47

<i>Amounts brought forward</i>	\$11,100 00	\$6,380,033 47
University of Maryland	1,000 00	
Baltimore College of Dental Surgery	500 00	
Southern.....	1,000 00	
Provident Hospital	800 00	
Baltimore Eye, Ear and Throat Charity Hos- pital.....	500 00	
Evening Dispensary for Working Women and Girls	700 00	
Baltimore Homeopathic.....	500 00	
	<hr/>	
	\$16,100 00	379,275 00

CERTAIN EXPENSES.

Criminal Court	\$70,000 00	
Baltimore City Court	15,000 00	
Court of Common Pleas.....	13,500 00	
Superior Court.....	15,500 00	
Circuit Court.....	4,500 00	
" " No. 2.....	2,600 00	
Orphans' Court.....	7,000 00	
Supreme Bench	3,600 00	
Judges at Large.....	6,000 00	
Judgments and suits.....	5,000 00	
Coroners.....	7,000 00	
Jail	51,000 00	
Magistrates.....	17,500 00	
	<hr/>	
		218,200 00

INTEREST ON STOCK DEBT—One year's interest on the following loans:

Water 5 Per Cent. 1916.....	\$250,000 00	
" 4 " 1922.....	20,000 00	
" 4 " 1926.....	40,000 00	
Funding 5 Per Cent. 1916.....	50,000 00	
" 6 " 1900.....	48,000 00	
Harford Run 4 Per Cent. 1920.....	10,000 00	
Paving 4 Per Cent. 1920.....	20,000 00	
Consolidated 3½ Per Cent. 1930 ..	175,000 00	
Jones Falls 6 " 1900.....	48,000 00	
" " 5 " 1900.....	47,850 00	
" " 3½ ⁶⁵ ₁₀₀ " 1900.....	17,629 50	
" " 3½ " 1900.....	5,600 00	
" " 3 " 1900.....	3,000 00	
City Hall 6 Per Cent. 1900.....	60,000 00	
" " 6 " 1902.....	30,000 00	
Western Maryland Railroad 6 Per Cent. 1902.	60,000 00	
" " " 4 " 1925.	27,360 00	
" " " 3¼ " 1927.	55,380 00	
Internal Improvement 3½ Per Cent. 1928.....	169,750 00	
Public " 3½ " 1940.....	183,750 00	
Four Million 3½ Per Cent. 1945.....	38,853 50	
Harford Run 4 " 1904.....	14,000 00	
Patterson Park 4 " 1920.....	8,000 00	
McDonogh Extension 5 Per Cent. 1916.....	14,000 00	
Western Maryland Railroad 6 Per Cent. Guaranteed Bonds.....	52,500 00	
Six (6) months interest on Funding 3½ Per Cent. 1936.....	25,432 75	
	<hr/>	
		1,474,105 75
<i>Amount carried forward</i>		\$8,451,614 22

Amount brought forward..... \$8,451,614 22

OPENING STREETS—As per following detailed statement:

REAPPROPRIATIONS FOR OPENING STREETS FOR 1897.

Patapsco street from Fort avenue to Ostend street.....	\$ 715 14	
Race street from Cross street to Fort avenue ..	946 60	
Burke street from Baltimore to Monument street.....	71 46	
Cooksie street from Clement to Cuba street....	75 00	
Etting street from Baker street to North avenue.	48 77	
Forrest street from south side Douglas to Fayette street.....	307 92	
Madison street from Patterson Park avenue to Grove alley.....	890 32	
Dallas street from Oliver to Lanvale street....	383 43	
Ten-foot alley from McKim to Hillman street.	89 91	
Hollins street from old limits to Catharine street.....	2,809 45	
Hollins street from Calverton road to western line of old city limits.....	79 02	
Ninth or Barnum street from Charles Street avenue to Maryland avenue.....	136 33	
Holmes or Tenth street from Charles Street avenue to Maryland avenue.....	5,190 51	
Bouldin alley from Bloom to Baker street....	112 33	
		11,856 19

Approximate estimate city's proportion for opening streets for 1897.

Carroll street from Bayard to Bush street....	\$ 1,448 31	
Cleveland street from Bayard to Bush street..	1,965 29	
Nanticoke street from Bayard to Bush street..	2,549 23	
Lanvale street from Patterson Park avenue to Cannon street	11,170 53	
Burrow street from Fort avenue to Claggett street.....	1,250 60	
Ludlow street from Fort avenue to Claggett street.....	3,659 74	
Patterson avenue from Fulton avenue to Monroe street.....	3,543 76	
Brunt street from Laurens to Robert street....	606 53	
Bouldin alley from Laurens to Wilson street..	357 50	
Ensor street from Eager to Chase street	19,548 10	
Myrtle avenue from Fulton avenue to Pulaski street.....	10,487 39	
Bayard street from Columbia avenue to Ohio avenue.....	3,533 60	
Seventy foot from Luzerne to eastern city limits.....	25,726 91	
Rose street from Fait avenue to Monument street.....	11,179 17	
East and Chesnut streets from Fayette street to 147 feet north of Douglas street.....	88,793 80	
Castle street from North avenue to Lanvale street.....	2,716 23	
<i>Amounts carried forward</i>	\$188,536 69	\$8,463,470 41

<i>Amounts brought forward</i>	\$188,536 69	\$8,463,470 41
Pulaski street from Boundary avenue to Clifton avenue.....	3,530 92	
Bradford street from Federal to Townsend street.....	5,505 96	
Port street from Federal to Townsend street..	5,936 68	
Payson street from Boundary avenue to Clifton avenue.....	5,977 13	
Great Constitution street from Biddle to Preston street.....	1,803 70	
Collington avenue from Biddle to Preston street.....	9,809 44	
Burke street from Oliver to Belair avenue....	24,478 50	
Townsend street from Broadway to Washington street.....	3,656 92	
		249,235 94
		<u>\$8,712,706 35</u>

Respectfully submitted.

C. L. GOODWIN.

SUMMARY OF ESTIMATED REQUIREMENTS.

For city.....	\$6,885,264 44	
“ Annex.....	459,180 95	
“ Floating debt.....	1,368,260 96	
		<u>\$8,712,706 35</u>

STATEMENT C.

ESTIMATED RECEIPTS.

Estimated collection of taxes in arrears during the year for city and Annex.....	\$1,615,000 00
Interest on taxes in arrears.....	38,000 00
From Commissioners of Finance interest on stock debt.....	112,500 00
“ Water Board interest on stock debt.....	323,566 00
“ Western Maryland Railroad Co. interest on stock debt.....	82,740 00
“ Park Board interest on stock debt.....	33,287 50
“ State of Maryland for public schools.....	210,000 00
“ liquor licenses.....	400,000 00
“ fines, jail, etc.....	11,200 00
“ Bayview Asylum.....	1,500 00
“ sale of refuse from cleaning streets.....	700 00
“ Quarantine Hospital.....	11,000 00
“ permits for sheds, signs, etc.....	10,000 00
“ City Commissioner, sale of old material.....	6,000 00
“ General Superintendent of Lamps, inspecting gas meters.....	3,000 00
“ rent of market houses (net).....	45,000 00
“ “ public wharves (net).....	20,000 00
“ general licenses.....	65,000 00
“ auction duties.....	8,000 00
“ Chesapeake and Potomac Telephone Company, rent of conduits.....	4,635 80
“ City Register (state tax on city loans).....	6,000 00
“ Western Maryland Railroad Company (state tax on city loans).....	1,000 00
“ Commissioner of Finance, accrued interest on \$500,000 Public Improvement 1940 Loan, sold November 30, 1896.....	7,300 00
	<u>\$3,015,429 30</u>

STATEMENT D.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
<i>Courts, etc.</i>					
(Provided for by Tax Levy for Certain Expenses).					
Criminal Court.....	\$65,000 00	\$69,794 29			
Baltimore City Court.....	13,000 00	14,987 51			
Court of Common Pleas.....	14,000 00	13,246 41			
Superior Court.....	15,000 00	15,249 95			
Circuit Court.....	4,500 00	4,202 80			
Circuit Court No. 2.....	2,500 00	2,572 90			
Orphan's Court.....	8,000 00	6,666 00			
Supreme Bench.....	3,600 00	3,595 00			
Judge-at-Large.....	3,500 00	3,000 00			
Judgments and Suits.....		8,212 51	\$ 319 14		\$ 319 14
Coroners.....	7,000 00	6,958 35			
Fines.....		219 50	2,930 88		2,930 88
Jail.....	52,000 00	50,620 39	8,352 59		8,352 59
Registration.....	58,786 08	55,673 47	126 25		126 25
Magistrates.....	17,500 00	17,088 34			
Removed Cases.....			2,523 55		2,523 55
Certain Expenses.....			246,254 24	\$246,254 24	
	\$264,386 08	\$272,087 42	\$260,506 65	\$246,254 24	\$14,252 41

Schools.

(Provided for by Tax Levy for Public Schools).

Public Schools, Salaries.....	\$870,175 00	\$863,412 35	\$1,223,414 04	\$1,012,778 38	\$210,635 66
Public Schools, Expenses.....	149,825 00	139,453 55	2,402 93		2,402 93
Night Schools.....	7,000 00	5,946 10			
Polytechnic Institute.....	35,116 00	33,356 80			
Colored Manual Training School.....	7,750 00	7,771 82			
Flags on School-houses.....	999 37	965 53			
Purchase of Crook Lot.....	40,000 00	40,000 00			
Purchase of addition to School No. 4..	5,000 00	4,000 00			
Purchase of Lot of Ground for Colored School.....	8,000 00				
Purchase of Lot of Ground for Colored School No. 4.....	10,000 00	10,000 00			
Purchase of Lot of Ground and Improvements for use of Colored School No. 3.....	2,000 00				
	\$1,135,865 37	\$1,104,906 15	\$1,225,816 97	\$1,012,778 38	\$213,038 59

Police Department.

(Provided for by Tax Levy for Police Department).

Salaries.....	\$790,500 00	\$791,447 10	\$766,829 34	\$766,829 34	
Expenses.....	26,000 00	39,795 42			
	\$816,500 00	\$831,242 52	\$766,829 34	\$766,829 34	

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received from Collector of Taxes.	Received from Other Sources.
		Dr.	Cr.		
<i>Health Department.</i>					
(Provided for by Tax Levy for Direct Tax).					
Salaries.....	\$39,458 32	\$39,243 43			
Expenses.....	13,000 00	16,803 38	\$ 5 00	\$ 5 00	
Nuisances for 1895.....	63 63	63 63			
Post-mortems.....	1,500 00	1,500 00			
Quarantine Hospital.....	17,000 00	20,520 89	11,957 46		11,957 46
Removing Filth from Docks.....	2,200 00	2,134 66			
Removing Refuse from Canning Houses	5,000 00	5,000 00			
	\$78,221 95	\$85,265 99	\$11,962 46		\$11,962 46
<i>Harbor Commission.</i>					
(Provided for by Tax Levy for Direct Tax).					
Dredging Harbor.....	\$30,300 00	\$30,300 00			
Maintenance and Repairs of Iceboats.....	20,000 00	19,998 37			
Repairs of Wharves.....	1,500 00	1,500 00			
New Bulkhead at City Dock.....	6,000 00	6,000 00			
Removal of Ashes from Tow-boats.....	1,200 00	1,200 00			
Dredging Jones' Falls.....	10,000 00	10,000 00			
Salaries of Chief Engineer and Clerks.....	5,000 00	5,000 00			
	\$74,000 00	\$73,998 37			

General Superintendent of Lamps.

(Provided for by Tax Levy for Direct Tax).

Salaries.....	\$ 3,000 00	\$ 3,000 00	.....	.....	.....
Gas.....	132,612 50	126,329 15	.....	.....	.....
Gasoline.....	5,804 00	5,589 09	.....	.....	.....
Electric Lights.....	167,000 00	163,187 11	.....	.....	.....
Lamplighters' Salaries.....	49,842 00	51,124 14	.....	.....	.....
Inspecting Gas Meters.....	.....	.....	.....	.....	.....
	\$358,258 50	\$349,229 49	.....	.....	.....
			.....	.....	\$3,095 75

Department of Street Cleaning.

(Provided for by Tax Levy for Direct Tax).

Garbage Carts and Men.....	\$140,400 00	\$139,509 79	.....	.....	.....
Street Carts and Men.....	72,752 00	69,046 62	.....	.....	.....
Sweepers and Scrapers.....	85,000 00	86,570 10	.....	.....	.....
Sweeping Machines, Sprinklers, etc...	15,000 00	19,055 48	.....	.....	.....
Dumps.....	3,964 00	3,030 38	.....	.....	.....
Contract for Removal of Garbage.....	9,400 00	9,400 00	.....	.....	.....
Salaries.....	9,000 00	8,991 48	.....	.....	.....
Sale of Street Dirt, etc.....	.....	.....	.....	.....	.....
	\$335,516 00	\$335,603 85	.....	.....	.....
		
			.....	.....	\$777 50
		
			.....	.....	\$777 50

STATEMENT D—Continued.

NAME OF ACCOUNTS.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
	Appropriations.	Dr. Cr.		
<i>Fire Department.</i>				
(Provided for by Tax Levy for Direct Tax).				
Salaries.....	\$278,305 26	\$278,305 26	\$182 00	\$182 00
Expenses.....	92,842 17	92,842 17	374 19	374 19
Fire-Alarm Box, Andre and Cuba sts.	175 00	175 00		
	\$371,322 43	\$371,322 43	\$556 19	\$556 19
<i>Superintendent of City Hall.</i>				
(Provided for by Tax Levy for Direct Tax).				
Salaries.....	\$15,891 00	\$15,871 86	\$4 50	\$4 50
Expenses.....	8,000 00	7,969 78		
Care of Zion School Building.....	2,180 00	1,510 29		
	\$26,071 00	\$25,351 93	\$4 50	\$4 50
<i>Care of City and Circuit Courts.</i>				
(Provided for by Tax Levy for Direct Tax).				
Salaries.....	\$4,300 00	\$4,287 22		
Expenses.....	7,000 00	5,746 07		
	\$11,300 00	\$10,033 29		

City Library.

(Provided for by Tax Levy for Direct Tax).

Salaries	\$2,400 00	\$2,400 00	.....	.....	.....
Expenses	5,000 00	3,839 44	\$230 50	.....	\$230 50
	\$7,400 00	\$6,239 44	\$230 50	.....	\$230 50

City Collector's Department.

(Provided for by Tax Levy for Direct Tax).

Salaries	\$55,400 00	\$54,688 67	.....	.....	.....
Expenses	3,000 00	2,121 52	.....	.....	.....
Expenses of Appeal Tax Court	500 00	489 94	.....	.....	.....
	\$58,900 00	\$57,300 13	.....	.....	.....

Commissioners for Opening Streets.

(Provided for by Tax Levy for Direct Tax).

Salaries	\$7,200 00	\$7,200 00	.....	.....	.....
Expenses	200 00	101 23	.....	.....	.....
	\$7,400 00	\$7,301 23	.....	.....	.....

Supervisors of Elections.

(Provided for by Tax Levy for Direct Tax).

Salaries	\$9,800 00	\$8,512 75	.....	.....	.....
Expenses	4,200 00	1,026 39	.....	.....	.....
	\$14,000 00	\$9,539 14	.....	.....	.....

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
<i>City Poor, Hospitals etc.</i>					
(Provided for by Tax Levy for City Poor.)					
City Poor.....	\$100,000 00	.....	\$315,608 67	\$315,608 67	.....
Bayview.....	800 00	\$99,984 32	1,541 83	.....	\$1,541 83
Transportation of Poor.....	1,000 00	963 45	163 45	.....	163 45
Friendly Inn.....	20,000 00	1,000 00	.....	.....	.....
St. Mary's Industrial School.....	33,000 00	20,000 00	.....	.....	.....
Mt. Hope Retreat.....	30,000 00	33,000 00	.....	.....	.....
Maryland Hospital for the Insane.....	20,000 00	30,000 00	.....	.....	.....
House of Refuge.....	5,000 00	20,000 00	.....	.....	.....
House of Refuge—Heating Apparatus.		5,000 00	.....	.....	.....
House of Refuge—Manual Training School.....	3,000 00	3,000 00	.....	.....	.....
House of Reformation.....	12,000 00	12,000 00	.....	.....	.....
College of Physicians and Surgeons' Hospital.....	16,900 00	16,900 00	22 75	.....	22 75
University of Maryland Hospital.....	10,140 00	9,546 63	26 46	.....	26 46
St. Vincent's Infant Asylum.....	6,000 00	6,000 00	.....	.....	.....
St. Elizabeth's Colored Orphan Asylum	3,500 00	3,500 00	.....	.....	.....
Nursery and Childs' Hospital.....	3,700 00	3,700 00	.....	.....	.....
Home of the Friendless.....	2,100 00	2,100 00	.....	.....	.....
Industrial Home for Colored Girls.....	2,700 00	2,700 00	.....	.....	.....

Female House of Refuge.....	2,700 00	2,700 00	.....	.....	.....
Maryland Homeopathic Hospital.....	3,380 00	3,380 00	.....	.....	.....
Hospital of the Good Samaritan.....	3,380 00	3,380 00	.....	.....	.....
Deaf and Dumb at Frederick.....	500 00	450 39	.....	.....	.....
Shelter for the Aged Colored Poor.....	1,000 00	1,000 00	.....	.....	.....
Boys' Home Society.....	3,000 00	3,000 00	.....	.....	.....
St. Mary's Home for Colored Boys.....	500 00	500 00	.....	.....	.....
St. Mary's Female Orphan Asylum.....	9,000 00	9,000 00	.....	.....	.....
St. Joseph's House of Industry.....	1,600 00	1,600 00	.....	.....	.....
Baltimore University Hospital.....	6,760 00	5,726 87	.....	.....	.....
Maryland General Hospital.....	9,295 00	8,799 11	.....	.....	.....
The Simmins Home.....	800 00	800 00	.....	.....	.....
St. Joseph's Hospital.....	5,070 00	5,070 00	.....	.....	.....
St. Agnes' Hospital.....	5,070 00	5,055 11	.....	.....	.....
Baltimore Manual Labor School.....	1,500 00	1,500 00	.....	.....	.....
St. Vincent de Paul Orphan Asylum..	1,600 00	1,600 00	.....	.....	.....
House of the Good Shepherd for Col- ored Girls.....	2,000 00	2,000 00	.....	.....	.....
Provident Hospital.....	2,500 00	999 13	.....	.....	.....
General German Orphan Asylum.....	1,000 00	1,000 00	.....	.....	.....
Hebrew Hospital and Asylum Associa- tion.....	1,500 00	1,500 00	.....	.....	.....
Dental Department University of Mary- land Dispensary.....	500 00	500 00	.....	.....	.....
Southern Homeopathic Free Dispen- sary.....	800 00	800 00	.....	.....	.....
Northeastern Free Dispensary.....	1,200 00	1,200 00	.....	.....	.....
Eastern Free Dispensary.....	1,800 00	1,800 00	.....	.....	.....
Baltimore General Free Dispensary...	1,800 00	1,800 00	.....	.....	.....
Baltimore Medical College Free Dis- pensary.....	1,200 00	1,200 00	.....	.....	.....
<i>Amount carried forward.....</i>	\$339,295 00	\$335,747 07	\$317,363 16	\$315,608 67	\$1,754 49

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriation.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
<i>Amount brought forward.....</i>	\$339,295 00	\$335,747 07	\$317,363 16	\$315,608 67	\$1,754 49
Maryland Homeopathic Free Dispensary.....	800 00	800 00			
College of Physicians and Surgeons Free Dispensary.....	1,500 00	1,500 00			
Women's and Childs' Hospital Free Dispensary.....	500 00	500 00			
Baltimore University Hospital Free Dispensary.....	1,000 00	1,000 00			
University of Maryland Free Dispensary.....	1,000 00	1,000 00			
Baltimore College of Dental Surgery Free Dispensary.....	500 00	500 00			
Southern Free Dispensary.....	1,000 00	1,000 00			
Provident Hospital Free Dispensary..	800 00	800 00			
Baltimore Eye, Ear and Throat Charity Hospital Free Dispensary.....	500 00	500 00			
Evening Dispensary for Working Women and Girls.....	700 00	700 00			
Montevue Hospital.....	156 00	156 00			
	\$347,595 00	\$344,203 07	\$317,363 16	\$315,608 67	\$1,754 49

Inspector of Building's Department.

(Provided for by Tax Levy for Direct Tax).

Salaries	\$12,795 00	\$11,229 81		
Extra Help, (Resolution No. 38, April 14, 1896).....	908 33	908 33		
Incidentals	200 00	199 99		
Repairs of City Property	13,000 00	13,000 00		
Repairs of Schools.....	15,000 00	14,999 93		
Sanitary and Other Improvements.....	3,000 00	2,997 97		
Emptying Cess Pools	800 00	784 75		
Rental of Auxiliary Fire Alarm Boxes.....	4,000 00			
Permits for Sheds, Signs, etc.		688 66	\$10,918 08	\$10,918 08
Repairs of Fifth Regiment Armory....	2,500 00	2,487 00		
Building Temporary Court-house.....	1,593 82	1,584 03		
“ Western Female High School	21,759 00	14,665 68		
“ Col'd Primary School No. 10.....	3,323 42	3,170 96		
“ Baltimore City College.....	60,000 00			
“ Primary School No. 4	34,695 74	34,671 13		
“ Colored School No. 9.....	34,985 00	9,750 03		
“ Primary School No. 34.....	17,140 25	17,103 86		
“ Primary School No. 37.....	23,946 82	23,946 82		
“ M. & F. Col'd School.....	20,000 00			
“ M. & F. Col'd School No. 4.....	25,000 00	67 35		
“ Colored School No. 8.....	30,000 00	20 30		
“ Grammar School No. 7.....	30,000 00	11 00		
	\$354,647 38	\$152,287 60	\$10,918 08	\$10,918 08

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
<i>Liquor License Commission.</i>					
(Provided for by Tax Levy for Direct Tax).					
Salaries	\$9,600 00	\$10,209 89			
Expenses.....	5,400 00	4,508 63			
	\$15,000 00	\$14,718 52			
<i>City Commissioner's Department.</i>					
(Provided for by Tax Levy for Direct Tax) except for paving those streets for which no appropriation is made. The cost of such paving being paid by Assessments.					
Salaries	\$32,950 00	\$26,326 12	\$ 169 00		\$169 00
Incidentals	200 00	200 00			
Livery	660 00	654 32			
Advertising	200 00	193 09		60	60
Grade Advertising		82 11		83 76	83 76
Repairs of Paved Streets.....	31,114 67	31,683 38		359 58	359 58
“ Unpaved Streets.....	1,500 00	1,500 00			
“ Bridges	7,500 00	7,487 39		1,364 17	1,364 17
“ Sewers.....	5,001 00	4,459 34		4,099 15	4,099 15
Paving in Front of City Property.....	500 00	275 97			
Cross Streets, Paving and Repaving.....	29,873 01	25,383 72			

Maintenance and Repairs Light Street Bridge.....	5,309 51	4,591 73		
Rental of Storage Lots.....	800 00	252 05		
Flag and Stepping-stones.....	2,000 00	1,956 17		
Approaches to North Avenue Bridge..		22,180 78	21,824 61	21,824 61
Repairs of Board Walk Pulaski Street.		38 33		
Repairing Canton Avenue at Inter- section with Luzerne Street (Ap- propriation taken from Cross Streets, Paving and Repaving.....	781 36	781 36		
Paving Intersection of Oliver Street, Harford Avenue and Central Avenue				
(Appropriation taken from Cross Streets, Paving and Repaving.....	450 78	450 78		
*Improvement Harford Run		4,458 96		
Repairing York Street.....	5,500 00	5,260 83		
Paving Patapsco Street, Section 2.....	12,000 00	9,704 87		
" Luzerne " 2.....	8,000 00	4,716 11		
" Mt. Royal Avenue.....	40,000 00	32,123 42		
" Fulton Avenue.....	30,000 00	28,335 95		
" McCulloh Street, Ord. 60, 1896.	15,000 00	11,536 98		
" Riggs Avenue		3,919 01	1,928 83	1,928 83
" Patterson Park Avenue.....		440 33		
" Preston Street } Ord. 104, 1893.		1,175 52		
" " " } " 102, 1895.		3,570 71		
" " " } " 106, 1895.		9,869 05	4,642 11	4,642 11
" Wolfe Street.....		2,093 56	1,199 53	1,199 53
" Chester Street.....		3,077 30	1,739 79	1,739 79
" Appleton Street.....		608 62	440 09	440 09
" Patapsco Street, Section 1.....		796 95	951 50	951 50
" Federal Street.....		1,167 98	1,410 52	1,410 52
" Andre Street.....		53 89	2,519 16	2,519 16
" Milton Avenue.....		4,037 94	4,325 59	4,325 59
" Eastern Avenue.....		5,599 79	421 78	421 78
" Montford Avenue.....		4,762 73	4,561 22	4,561 22
<i>Amount carried forward.....</i>	\$229,390 33	\$265,807 14	\$52,040 99	\$24,140 12
				\$27,900 87

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received from Collector of Taxes.	Received from Other Sources.
		Dr.	Cr.		
<i>Amounts brought forward.....</i>	\$229,390 33	\$265,807 14	\$52,040 99	\$24,140 12	\$27,900 87
Paving Ridgely Street.....		20 00			
" Oliver		5,656 92	5,423 06	5,423 06	
" Johnson		1,091 66	136 37	136 37	
" Jefferson		2,168 56	2,337 74	2,337 74	
" Brevard		1,362 60	1,061 62	1,061 62	
" { Ord. 100-1895		14,000 87	5,223 43	5,223 43	
" { " 75-1895		4,287 50	4,443 11	4,443 11	
" Lanvale		297 86	297 86	297 86	
" Pulaski		239 46			
" Richardson		15 75			
" Luzerne Street, Section 1, Ord. 97-1895.....					
" Gunpowder Street.....		1,286 07	1,393 88	1,393 88	
" Monroe		25 35			
" { Ord. 163-1893.....		46 38			
" { " 90-1894.....		26 85	688 76	688 76	
" Covington Street.....		159 49			
" Bush		97 10	3,367 07	3,367 07	
" Hamburg		23 17			
" Barclay		2 00			
" Rose		879 47	843 86	843 86	
" Whitelock		836 55	935 96	935 96	
		7,212 97	7,489 95	7,489 95	

Paving Spring Street.....	912 76	940 61	940 61	.....
“ Bayard “.....	92 05	102 10	102 10	.....
“ Clement “.....	3,010 81	2,992 02	2,992 02	.....
“ Chase “.....	3,901 98	3,007 79	3,007 79	.....
“ Baker “.....	24 08	2,208 80	2,208 80	.....
“ Lawrence “.....	16 95	175 90	175 90	.....
“ Marshall “.....	78 50	318 01	318 01	.....
“ Mount “.....	4 75	.....	.....	.....
“ Luzerne Street, Section 1, Ord. 48-1896.....	2,423 30	2,541 77	2,541 77	.....
“ Luzerne Street, Ord. 144-1896.	29 19	.....	.....	.....
“ 10 Foot Alley.....	.....	4 81	4 81	.....
“ Bruce.....	26 40	.....	.....	.....
Repaving North Avenue.....	14 50	.....	.....	.....
Paving Footways.....	3,748 90	3,457 36	3,457 36	.....
Sales of Old Material.....	.....	42 23	42 23	.....
*Provided for by Special Loan.	\$319,827 89	\$101,475 06	\$73,531 96	\$27,943 10
<i>Park Commission.</i>				
(Expenses paid by Park Tax from all City Passenger Railway Companies).				
Park Board.....	\$250,653 46	\$249,403 59	.....	\$249,403 59
*Patterson Park Extension.....	408 63	.....	.....	.....
Harlem Park.....	2,499 72	2,495 41	.....	2,495 41
Madison Square.....	1,347 22	1,312 82	.....	1,312 82
Franklin “.....	1,161 86	1,126 44	.....	1,126 44
Union “.....	999 97	985 38	.....	985 38
Perkins Spring Square.....	1,409 23	1,500 00	.....	1,500 00
Amounts carried forward.....	\$258,480 09	\$256,823 64	.....	\$256,823 64

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
<i>Amounts brought forward.</i>		\$258,480 09	\$256,823 64		\$256,823 64
Lafayette Square.		1,496 80	1,484 68		1,484 68
Jackson Square.		900 51	867 34		867 34
Mount Vernon Squares.					
Ashland Square.		99 00	72 20		72 20
Wilkins Avenue Squares.		1,944 13	1,737 72		1,737 72
Taney Place Square.		205 87	235 36		235 36
Mount Royal Avenue Squares.		743 40	519 05		519 05
Broadway Squares, 1st Division.		1,870 22	1,932 55		1,932 55
“ “ 2d “		1,659 95	1,592 22		1,592 22
“ “ 3d “		1,802 29	1,738 20		1,738 20
Eutaw Squares, 1st Division.		1,519 00	1,588 76		1,588 76
“ “ 2d “		1,738 35	1,749 47		1,749 47
Fulton Avenue Squares and Baker Circle.		1,925 00	1,923 68		1,923 68
Eastern Fountain.		909 78	825 08		825 08
Park Place Square.		789 50	623 46		623 46
* Provided for by Special Fund.		\$276,143 84	\$273,713 41		\$273,713 41

General Expenditures.

(Provided for by Tax Levy for Direct Tax).

City Council	\$ 60,028 00	\$ 59,158 24	.....	.....	.....
General Expense	1,500 00	1,498 85	.....	.....	.....
Mayoralty	1,000 00	867 99	.....	.....	.....
Salaries (not otherwise provided for) ..	51,720 00	50,990 47	.....	.....	.....
Public Printing	8,000 00	6,039 70	\$	30	\$ 30
Discount and Interest on Taxes and Interest on Temporary Loans	110,000 00	185,238 27	.....	\$162,099 91	.....
*Interest on Stock Debt	1,380,241 00	1,380,240 97	.....	776,450 63	.....
State Tax on City Loans	43,000 00	43,224 17	.....	1,159,978 13	383,527 50
Ground Rents on City Property	46,000 00	46,745 60	.....	8,105 25	8,105 25
Insurance on City Property	6,607 50	3 873 00	.....	542 83	542 83
Insurance on Western F. H. School ..	750 00	750 00	.....	.....	.....
New Assessment of Property	75,000 00	74,998 37	.....	.....	.....
Topographical Survey	25,000 00	16,345 84	.....	235 81	235 81
Sewerage Commission	17,129 94	11,354 81	.....	.....	.....
Elections	36,257 60	29,057 45	.....	.....	.....
Maryland Institute	9,000 00	9,000 00	.....	.....	.....
Ringling Mechanics' Bells	200 00	200 00	.....	.....	.....
Winding Maryland Institute Clock ..	75 00	75 00	.....	.....	.....
Transportation to House of Correction.	250 00	242 60	.....	.....	.....
Dog Pound	1,000 00	986 25	.....	404 92	404 92
General Licenses	1,000 00	713 24	.....	66,470 70	66,470 70
Sprinkling Mount Royal Avenue	900 00	.....	.....	.....	.....
Assistance to Examiner of Titles	800 00	800 00	.....	.....	.....
Hose for Various Markets	700 00	218 00	.....	.....	.....
Hose for Fells Point Market	100 00	48 00	.....	.....	.....
<i>Amounts carried forward.</i>	\$1,876,259 04	\$1,922,666 82	\$1,397,837 85	\$938,550 54	\$459,287 31

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received from Collector of Taxes.	Received from Other Sources.
		Dr.	Cr.		
<i>Amounts brought forward.. .. .</i>	\$1,876,259 04	\$1,922,666 82	\$1,397,837 85	\$938,550 54	\$459,287 31
Electrical Commission.....	1,830 12	1,830 12			
Underground Wires.....	21,145 87	15,501 05			2,232 31
Enoch Pratt Free Library Sinking Fund.....	497 50	497 50			
Enoch Pratt Free Library Sinking Fund (1895).....	261 11	261 11			
Pension Account, W. H. War.....	260 00	260 00			
Refund on Paving Fairmount Avenue.	305 14	305 14			
Transportation of Chicago School Exhibit.....	100 00	41 54			
Entertaining First Defenders.....	500 00	500 00			
Entertainment, Ancient and Honorable Artillery Company of Boston.	800 00	800 00			
Fourth Regiment, M. N. G.....	3,000 00	3,000 00			
Veteran Volunteer Firemen's Association.....	500 00	500 00			
First Naval Battalion.....	2,500 00	2,500 00			
Special Appropriations.....	4,068 85	3,021 25			
Paving Certificates.....			25,911 83		25,911 83
Lafayette Market.....		323 05	2,368 20		2,368 20
Centre “.....		638 15	5,959 15		5,959 15
Belair “.....		511 72	9,737 80		9,737 80
Fells Point “.....		508 00	6,842 35		6,842 35

Lexington Market.....	666 00	20,626 70	20,626 70
Richmond ".....	383 56	3,250 10	3,250 10
Hanover ".....	435 96	4,304 65	4,304 65
Cross St. ".....	363 03	4,561 20	4,561 20
Hollins ".....	347 90	3,666 00	3,666 00
Northeast ".....	369 00	1,625 20	1,625 20
Canton ".....	178 70	536 10	536 10
Cross Street Hall .. .	74 15	259 00	259 00
Hollins ".....	108 15	242 00	242 00
Wharfage.....	7,131 30	27,509 25	27,509 25
Inspector of Gas and Oils (Livery).....	27 90	.....	.....
Tax Sales.....	989 78	2,636 77	2,636 77
Intestate Estates.....	101 20	2,087 06	2,087 06
Turnpike Dividends.....	.....	521 20	521 20
Auction Duties.....	.....	8,334 92	8,334 92
City Seal.....	.....	41 70	41 70
Conscience Fund.....	.....	163 00	163 00
Telephone Conduits.....	.....	4,635 80	4,635 80
General Revenue.....	.....	15,000 00	15,000 00
Miscellaneous Revenue City Collector.....	.....	684 87	684 87
Liquor Licenses.....	.....	400,181 53	400,181 53
Four (4) Million Loan.....	.....	12,600 00	12,600 00
Public Improvement 1940 Loan.....	.....	1,093,750 00	1,093,750 00
Direct Tax.....	26,150 00	1,767,005 40	1,767,005 40
Opening Streets.....	2 50	.....	.....
Water Tax.....	3,267 30	113,805 56	113,805 56
Sale of City Property.....	1,400 00	3,267 30	3,267 30
Water Board.....	831,364 25	1,400 00	1,400 00
.....	.....	789,532 01	789,532 01
<i>Amounts carried forward.....</i>	<i>\$1,912,027 63</i>	<i>\$2,827,026 13</i>	<i>\$2,827,026 13</i>
		<i>\$5,733,116 81</i>	<i>\$2,822,628 80</i>
			<i>\$2,910,488 01</i>

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
<i>Amounts brought forward.....</i>	\$1,912,027 63	\$2,827,026 13	\$5,733,116 81	\$2,822,628 80	\$2,910,488 01
Temporary Loans		4,415,000 00	4,200,000 00		4,200,000 00
Free Text Books for Public Schools (White).....		37,213 97	44,551 58		44,551 58
Free Text Books for Public Schools (Colored).....		3,957 30	7,969 55		7,969 55
Forrest Street Rents, Special Fund.....			8 00		8 00
Gay " " ".....		171 70	3,434 00		3,434 00
Hollins " " ".....			23 40		23 40
Refunded Taxes.....		39,042 95			
*Water 1916 Loan Sinking Fund.....		40,697 80	40,697 80	40,697 80	
* " 1922 " ".....		10,174 43	10,174 43	10,174 43	
* " 1926 " ".....		28,256 05	28,256 05	28,256 05	
*Internal Improvement 1928 Loan Sinking Fund.....		84,767 43	84,767 43	84,767 43	
*Public Improvement 1940 Loan Sinking Fund.....		56,156 40	56,156 40	56,156 40	
*Four (4) Million Loan Sinking Fund.....		13,311 39	13,311 39	13,311 39	
*General Sinking Fund.....		207,415 32	207,415 32	207,415 32	
* Provided for by Special Tax Levies.	\$1,912,027 63	\$7,763,190 87	\$10,429,882 16	\$3,263,407 62	\$7,166,474 54

Internal Improvement 1928 Loan.

Presbury Street Sewer.....	.....	131 81	.....	.....
Fulton Avenue " .....	.....	304 43	.....	.....
Bush Street .....	.....	1,359 94	.....	.....
Carey Street Relief Sewer.....	.....	82 24	.....	.....
Building Primary School No. 10.....	.....	120 42	.....	.....
	.....	\$1,998 84	.....	.....

Public Improvement 1940 Loan.

Building Baltimore City College.....	.....	\$ 22,023 74	.....	.....
New Court-house.....	.....	294,110 29	.....	.....
Underground Wires.....	.....	90,973 14	.....	.....
" .....	.....	25,000 00	.....	.....
Druid Hill Avenue Sewer.....	.....	8,119 80	.....	.....
Charles Street Sewer.....	.....	9,899 20	.....	.....
" " Extension .....	.....	225 94	.....	.....
Bush " " .....	.....	50 61	.....	.....
Beason " " .....	.....	7,126 63	.....	.....
Patapsco " " Extension.....	.....	3,391 97	.....	.....
Hoffman " " .....	.....	2,350 14	.....	.....
Presstman Street Sewer .....	.....	19,861 28	.....	.....
Alluvion " " .....	.....	72,532 44	.....	.....
Low " " .....	.....	3,384 21	.....	.....
Eager " " .....	.....	55 10	.....	.....
Stockholm " " .....	.....	53 57	.....	.....
Camden " " .....	.....	19 22	.....	.....
<i>Amount carried forward.....</i>	.....	\$559,177 28	.....	.....

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
<i>Amount brought forward.....</i>		\$559,177 28			
Henrietta Street Sewer.....		145 41			
Sewer between Greene, Pearl, Franklin and Mulberry Streets.....		1,379 13			
Bruce Alley Sewer.....		5,814 16			
Brice Alley Sewer.....		15,850 68			
Fremont Avenue Sewer.....		33,209 91			
Fort Avenue Sewer.....		4,476 96			
Fulton Avenue Sewer.....		2,038 94			
Chatsworth Run Sewer Extension.....		624 64			
Completion of North Avenue Bridge and Approaches.....		35,524 90			
Inlets Bruce Alley and Presbury St.		214 78			
" Mt. Royal Av. and McMechen St.		691 55			
" Jenkins Run Sewer.....		853 35			
Paving St. Paul Street.....		7,318 72			
" Aliceanna Street.....		27,786 10			
" McCulloch Street.....		2,799 91			
" Pearl Street.....		9,146 60			
" Lafayette Avenue.....		3,475 72			
" Fort Avenue.....		28 00			
" Broadway.....		35,410 40			
Opening Whitelock Street.....		200 00	\$10 00		\$10 00
Widening Gay Street.....		152,448 81			
		\$898,615 95	\$10 00		\$10 00

Four (4) Million 1945 Loan.

Extension Water Supply.....	\$12,779 57				
.....	\$12,779 57				
<i>Opening Streets.</i>					
(Provided for by Tax Levy for Opening Streets).					
Opening Ensor Street.....	\$583 64	\$137 50	\$137 50		
“ Clement Street.....					
“ 70-foot Street, Continuation of East Fayette Street.....	37 40	1,426 82	293 42		1,133 40
Opening Chase Street.....	250 00				
“ Covington Street.....		2,100 00			2,100 00
“ Rose Street.....		148 50			148 50
“ Bayard Street.....	64 68	217 45		189 00	28 45
“ Castle Street.....	53 13	1,212 25		1,212 25	
“ Great Constitution Street.....	102 25	436 50		436 50	
“ Townsend Street.....	63 15				
“ Pulaski Street.....	62 76				
“ Payson Street.....	62 01			117 50	
“ Penn Street.....		140 00			140 00
<i>Amounts carried forward.</i>	\$1,279 02	\$5,936 52	\$2,386 17		\$3,550 35

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From other Sources.
		Dr.	Cr.		
<i>Amounts brought forward</i>		\$ 1,279 02	\$ 5,936 52	\$ 2,386 17	\$3,550 35
Opening Patuxent Street		300 00			
" Chesapeake " Ord. 82, 1895		482 68			
" Jefferson		297 48			
" Chesapeake " Ord. 127, 1896		264 58			
" Birchhead			108 03	108 03	
" Grove		212 89			
" Glover		250 25			
" Fairmount Avenue		457 03			
" Patterson			205 50	205 50	
" Collington		381 68	1,568 25	1,568 25	
" Bradford Street		87 38			
" Clarkson Alley		58 75			
Widening Gay Street		23,157 46	27,477 41	27,477 41	
" East and Chesnut Streets		13 50	1,576 36	1,576 36	
Opening Patapsco Alley	715 14				
" Race Street	946 60				
" Burke "	231 00	58 40			
" Cooksie "	75 00				
" Etting "	171 34				
" Bouldin Alley	112 33				

Opening Forrest Street.....	18,485 74	22,546 51	2,104 89	2,104 89	.....
" Madison "	8,462 21	21,898 80	13,936 27	13,936 27	.....
" Dallas "	2,369 34	3,455 94	1,629 36	1,629 36	.....
" 10-foot Alley from McKim to Hillman Street	112 70	116 90	210 79	210 79	.....
" Port Alley .....	.....	376 91	.....	.....	.....
Closing Morris Alley.....	.....	610 00	595 00	595 00	.....
	\$31,681 40	\$76,306 16	\$55,348 38	\$51,798 03	\$3,550 35

ANNEX ACCOUNTS.

General Superintendent of Lamps, Annex.

(Provided for by Tax Levy for Direct Tax).

Gas	\$22,735 00	\$21,878 33	.....	.....	.....
Gasoline.....	8,796 00	8,648 28	.....	.....	.....
Electric Light.....	5,690 00	2,804 22	.....	.....	.....
Lamp-lighters' Salaries	15,080 00	18,092 01	.....	.....	.....
	\$52,301 00	\$51,422 84	.....	.....	.....

Health Department, Annex.

(Provided for by Tax Levy for Direct Tax).

Salaries.....	\$3,800 00	\$3,119 87	.....	.....	.....
Nuisances for 1895.....	727 50	727 50	.....	.....	.....
	\$4,527 50	\$3,847 37	.....	.....	.....

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
<i>Fire Department—Anner.</i> (Provided for by Tax Levy for Direct Tax.)					
Salaries.....	\$32,700 00	\$32,700 00			
Expenses.....	12,592 20	12,592 20			
Water for Fire-Plugs at Carroll.....	250 00	250 00			
	\$45,542 20	\$45,542 20			
<i>Inspector of Buildings' Dept.—Anner.</i> (Provided for by Tax Levy for Direct Tax.)					
Salaries.....	\$ 860 00	\$ 760 00			
Repairs of City Property.....	4,000 00	3,999 10			
Building Gram. and Prim. School No. 18	45,000 00	10,946 95			
Building Engine House No 20, (21st Ward).	15,000 00	13,591 96			
Building Annex School No. 3.....	40,000 00	8,168 30			
	\$104,860 00	\$37,466 31			
<i>Department of Street Cleaning—Anner</i> (Provided for by Tax Levy for Direct Tax.)					
Garbage Carts and Men.....	\$14,976 00	\$15,247 44			
Street ".....	5,616 00	4,993 50			
Sweepers and Scrapers.....	6,760 00	6,493 00			
Tools.....	125 00	120 60			
Salary of Superintendent.....	1,000 00	1,000 00			
	\$28,477 00	\$27,854 54			

*City Commissioner's Department—
Annex.*

(Provided for by Tax Levy for Direct
Tax, except for Paving Streets, the
costs of which are paid by Assess-
ment.)

Salaries.....	2,000 00	1,028 61	.....	.....	.....
Repairs of Streets, Roads, etc.....	12,551 28	11,067 12	23 99	.....	23 99
Frederick Road Foot-Bridge.....	300 00	212 59	.....	.....	.....
*Repairs Gutter, Old Frederick Road..	592 75	592 75	.....	.....	.....
* " Garrison Forrest Lane.....	1,673 31	1,673 31	.....	.....	.....
* " Gilmore Lane and Old York Road.....	407 50	407 50	.....	.....	.....
* " Falls Road.....	198 32	198 32	.....	.....	.....
*Macadamizing Augusta Avenue.....	70 10	70 10	.....	.....	.....
Paving Twenty-third Street.....	.....	4 00	.....	.....	.....
" McCulloh Street, Ord. 69, 1894..	.....	3,613 39	3,814 48	.....	.....
" Northwest Street.....	.....	4 87	.....	.....	.....
*Appropriation taken from Repairs Streets, Roads, etc., Annex.	\$17,793 26	\$18,872 56	\$3,838 47	\$3,814 48	\$23 99

CITY'S PORTION.

Opening Streets—Annex.
(Provided for by Tax Levy for Open-
ing Streets.)

Opening Hollins Street to Catherine Street from Old City Limits.....	\$38,894 85	\$39,760 40	\$3,675 00	\$3,455 00	\$220 00
Opening Hollins Street to Calverton Road from Old City Limits.....	554 35	475 33	.....	.....	.....
Opening Seventh Street.....	5,021 71	5,021 71	.....	.....	.....
<i>Amounts carried forward.....</i>	\$44,470 91	\$45,257 44	\$3,675 00	\$3,455 00	\$220 00

STATEMENT D—Continued.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received From Collector of Taxes.	Received From Other Sources.
		Dr.	Cr.		
<i>Amounts brought forward</i>	\$44,470 91	\$45,257 44	\$3,675 00	\$3,455 00	\$220 00
Opening Eighth street	3,790 74	3,790 74			
" North west street.	158 64	158 64			
" Elgin avenue	2,966 05	2,966 05			
" Myrtle avenue.....	7,436 96	7,436 96			
" Clifton avenue.....	9,605 29	9,605 29			
" Barnum avenue.....	136 33				
" Holmes or Tenth street.....	5,190 51				
" Windsor avenue.....	5,518 97	5,518 97			
Closing Gilmor's lane.....		182 64			
" Whitelock lane.....		113 67			
" Fourth street		78 82			
	\$79,274 40	\$75,109 22	\$3,675 00	\$3,455 00	\$220 00
<i>Public Schools, Annex.</i>					
(Provided for by Tax Levy for Public Schools).					
Salaries.....	\$115,775 00	\$112,902 25			
Expenses.....	27,500 00	20,697 23			
Purchase of lot of ground for Annex School No. 3.....	10,000 00	10,000 00			
	\$153,275 00	143,599 48			

Miscellaneous, Annex.

(Provided for by Tax Levy for Direct Tax).

Interest.....	5,003 09	5,003 09	
Direct Tax.....	191,951 85	191,951 85	
Refunded Taxes.....			
Sale of City Property.....	20 00	20 00	\$20 00
	\$1,156 71	\$196,974 94	\$196,954 94
			\$20 00

SUMMARY.

City Accounts.

Courts, etc.....	\$ 264,386 08	\$ 272,087 42	\$ 260,506 65	\$ 246,254 24	\$ 14,252 41
Schools.....	1,135,865 37	1,104,906 15	1,225,816 97	1,012,778 38	213,038 59
Police Department.....	816,500 00	831,242 52	766,829 34	766,829 34	
Health Department.....	78,221 95	85,265 99	11,962 46		11,962 46
Harbor Commission.....	74,000 00	73,998 37			
General Superintendent of Lamps.....	358,258 50	349,229 49	3,095 75		3,095 75
Department of Street Cleaning.....	335,516 00	335,603 85	777 50		777 50
Fire Department.....	371,322 43	371,322 43	556 19		556 19
Superintendent of City Hall.....	26,071 00	25,351 93	4 50		4 50
Care of City and Circuit Courts.....	11,300 00	10,033 29			
City Library.....	7,400 00	6,239 44	230 50		230 50
City Collector's Department.....	58,900 00	57,300 13			
Commissioners for Opening Streets.....	7,400 00	7,301 23			
Supervisors of Elections.....	14,000 00	9,539 14			
City Poor, Hospitals, etc.....	347,595 00	344,203 07	317,363 16	315,608 67	1,754 49
Inspector of Buildings' Department...	354,647 38	152,287 60	10,918 08		10,918 08
<i>Amounts carried forward.....</i>	<i>\$4,261,383 71</i>	<i>\$4,035,912 05</i>	<i>\$2,598,061 10</i>	<i>\$2,341,470 63</i>	<i>\$256,590 47</i>

STATEMENT D—Concluded.

NAME OF ACCOUNTS.	Appropriations.	FACE OF LEDGER.		Received from Collector of Taxes.	Received from Other Sources.
		Dr.	Cr.		
<i>Amounts brought forward</i>	\$4,261,383 71	\$4,035,912 05	\$2,598,061 10	\$2,341,470 63	\$256,590 47
Liquor License Commission	15,000 00	14,718 52	.....	.....	.....
City Commissioner's Department.....	229,390 33	319,827 89	101,475 06	73,531 96	27,943 10
Park Commission.....	.....	276,143 84	273,713 41	.....	273,713 41
General Expenditures.....	1,912,027 63	7,763,190 87	10,429,882 16	3,263,407 62	7,166,474 54
Opening Streets.....	31,681 40	76,306 16	55,348 38	51,798 03	3,550 35
Internal Improvement 1928 Loan.....	.....	1,998 84	.....	.....	.....
Public " 1940 " .....	.....	898,615 95	10 00	.....	10 00
Four Million 1945 Loan.....	.....	12,779 57	.....	.....	.....
Total for City Accounts.....	\$6,449,483 07	\$13,399,493 69	\$13,458,490 11	\$5,730,208 24	\$7,728,281 87
<i>Annex Accounts.</i>					
General Superintendent of Lamps.....	52,301 00	51,422 84	.....	.....	.....
Health Department.....	4,527 50	3,847 37	.....	.....	.....
Fire "	45,542 20	45,542 20	.....	.....	.....
Inspector of Building's Department...	104,860 00	37,466 31	.....	.....	.....
Department of Street Cleaning.....	28,477 00	27,854 54	.....	.....	.....
City Commissioner's Department.....	17,793 26	18,872 56	\$ 3,838 47	3,814 48	23 99
Public Schools	153,275 00	143,599 48	.....	.....	.....
Miscellaneous.....	.....	1,156 71	196,974 94	196,954 94	20 00
Opening streets.....	79,274 40	75,109 22	3,675 00	3,455 00	220 00
Total for Annex Accounts	\$486,050 36	\$404,871 23	\$204,488 41	\$204,224 42	\$263 99

Summary of Totals for City and Annex Accounts.

City Accounts.....	\$6,449,483 07	\$13,399,493 69	\$13,458,490 11	\$5,730,208 24	\$7,728,281 87
Annex "	486,050 36	404,871 23	204,488 41	204,224 42	263 99
Cash on hand December 31, 1895.....	\$6,935,533 43	\$13,804,364 92	\$13,662,978 52	\$5,934,432 66	\$7,728,545 86
Cash on hand December 31, 1896.....	.....	.....	520,561 35	.....	.....
	.....	379,174 95	.....	.....	.....
Grand Totals for the year 1896..	\$6,935,533 43	\$14,183,539 87	\$14,183,539 87	\$5,934,432 66	\$7,728,545 86

STATEMENT E.
CASH ACCOUNT.

Receipts and Disbursements from January 1 to December 31, 1896, both inclusive.

	<i>Receipts.</i>	<i>Disbursements.</i>
January	\$ 1,166,601 28	\$ 1,869,559 28
February	1,064,884 20	682,857 88
March	430,625 68	735,027 17
April	961,070 08	768,141 15
May	643,813 64	1,282,424 56
June	2,991,060 23	1,845,419 25
July	1,708,535 29	1,953,257 02
August	521,455 40	787,106 46
September	600,266 97	737,962 66
October	1,037,423 48	866,567 66
November	972,577 19	1,144,247 63
December	1,564,665 08	1,131,794 20
	<hr/>	<hr/>
	\$13,662,978 52	\$13,804,364 92
Balance December 31, 1895.....	520,561 35	
Balance December 31, 1896.....		379,174 95
	<hr/>	<hr/>
	\$14,183,539 87	\$14,183,539 87

STATEMENT F.

Statement showing the monthly returns of the Keeper of the Standards of Weights and Measures from March 1st to December 31st, 1896.

For All Districts.

March	\$595 70
April	571 50
May	420 60
June	471 20
July	508 12
August	236 25
September	277 50
October	322 77
November	246 61
December	158 05
	<hr/>
Total	\$3,808 30

TABLE G.

Funds held in trust by the City Register for property sold for taxes December 31st, 1896.

Consolidated	$3\frac{1}{2}$	per cent.	1930	Loan.....	\$11,471 04	
Public Improv't	$3\frac{1}{2}$	"	1940	"	2,700 00	
					<hr/>	\$14,171 04
Water	5	"	1916	"		600 00
Jones Falls	6	"	1900	"		4,000 00
"	$3\frac{65}{100}$	"	1900	"		2,100 00
Harford Run	4	"	1920	"		200 00
Cash.....						213 77
						<hr/>
						\$21,284 81

REPORT OF THE
DEPARTMENT OF FINANCE
FOR THE YEAR 1896.

REPORT.

DEPARTMENT OF FINANCE,
BALTIMORE, December 31, 1896.

*To the Honorable the Members of the
First and Second Branches of the City Council:*

GENTLEMEN: The Commissioners of Finance have the honor to submit herewith for your consideration statements in detail, exhibiting their transactions during the current year, as follows:

1. A summary of receipts and payments on account of the various sinking funds.
2. A statement of the purchases of stock.
3. A statement of the condition of the various sinking funds for the redemption of the public debt.
4. A statement of the condition of the Enoch Pratt Free Library Fund.
5. A statement of the condition of the Horwitz Benevolent Fund.
6. A schedule of real estate and ground rents upon the books of the Commissioners of Finance, from which income is derived.
7. A statement of the funded and guaranteed debt.
8. A balance sheet of the sinking funds' ledger.
9. A statement showing the indebtedness of the Western Maryland Railroad Company to the Mayor and City Council of Baltimore.

The matters embraced in the foregoing are exhibited under their respective heads in a detailed form in the appendix to this report.

1.—Receipts and Payments.

The receipts have been derived as follows:

From cash to credit of sinking funds December 31, 1895	\$118,899 73
From Eugene Delano, for sale of city's interest in Pittsburg and Connellsville Railroad Company	200,000 00
<i>Amount carried forward.. ..</i>	<i>\$318,899 73</i>

<i>Amount brought forward</i>	\$318,899 73	
From interest on stocks and investments.....	150,857 94	
From rental of real estate.....	30,106 71	
From rental of Hillen Station, Ordinance 97, 1875.....	16,000 00	
From rental of Western Maryland Railroad Terminal Depot, Ordinance 92, 1882.....	9,181 47	
From premium on sales of \$500,000 Public Improvement 1940 Loan.....	26,150 00	
From sales of \$162,800 of various stocks in funds to Finance Commissioners, and by them distributed to various funds, so that as far as possible each fund shall contain none other than its special stock.....	182,349 87	
From redemption of Paving Certificates.....	10,794 44	
From sales of \$83,000 Philadelphia and Read- ing Third Mortgage Preferred Income Bonds, at \$5 less commission.....	3,941 50	
From Mayor and City Council, sales of city property.....	1,385 00	
From Mayor and City Council, for Enoch Pratt Free Library Fund.....	758 61	
From Water Board, on account of surplus....	348,840 00	
From City Collector, for General Sinking Fund.	207,415 32	
From City Collector, for Internal Improvement Loan Sinking Fund.....	84,767 43	
From City Collector, for Water 1926 Loan Sinking Fund.....	28,256 05	
From City Collector, for Public Improvement 1940 Loan Sinking Fund.....	56,156 40	
From City Collector, for Water 1916 Loan Sinking Fund.....	40,697 80	
From City Collector, for Four Million 1945 Loan Sinking Fund.....	13,311 39	
From City Collector, for Water 1922 Loan Sinking Fund.....	10,174 43	
From Park Board, being 5 per cent. on re- ceipts of park tax from the city passenger railway companies during 1896.....	12,143 56	
		\$1,552,187 65
The payments have been as follows:		
For investment purchases, principally from Commissioners of Finance, to transfer to various sinking funds the special stocks be- longing to them.....	\$1,230,339 87	
For interest on Western Maryland Railroad Six Per Cent. 1902 Loan.....	60,000 00	
For interest on Western Maryland Railroad Six Per Cent. Third Mortgage Bonds.....	52,725 00	
For redemption of Water Five Per Cent. 1894 Loan.....	15,000 00	
For redemption of Consolidated Six per Cent. 1890 Loan.....	1,000 00	
For condemnation of land for park purposes.	15,000 00	
<i>Amounts carried forward</i>	\$1,374,064 87	\$1,552,187 65

<i>Amounts brought forward</i>	\$1,374,064 87	\$1,552,187 65
For purchase of ground rents, under Ordinance 81, 1881.....	25,850 00	
For accrued rent on ground rents purchased..	342 92	
For payment of annuity to Enoch Pratt Free Library.....	50,000 00	
For sundry expenses as detailed in Statement No. 1 of Appendix.....	929 85	
	<hr/>	1,451,187 64
Balance to credit of sinking funds, December 31, 1896....		\$101,000 01

2—Investment Purchases of Stock.

This statement is submitted in obedience to Article 47, Section 13, Baltimore City Code, and exhibits in detail the purchases of stock during the current year, amounting to \$1,154,225, the total cost of the purchases being.....	1,230,339 87
--	--------------

3.—The Sinking Funds for the Redemption of the Public Debt.

General Sinking Fund	1,716,415 68
Public Park Sinking Fund	9,499 48
Western Maryland Railroad 1925 Loan Sinking Fund	66,396 82
Western Maryland Railroad 1927 Loan Sinking Fund	135,587 00
Hillen Station Sinking Fund	62,215 61
Western Maryland Railroad Terminal Company Sinking Fund	22,709 57
Water 1926 Loan Sinking Fund	254,821 49
Internal Improvement Loan Sinking Fund.....	604,386 91
Public Improvement Loan Sinking Fund.....	217,843 15
Four Million Loan Sinking Fund.....	72,508 74
Public Park (Clifton) Sinking Fund No. 2	15,477 89
Water 1916 Loan Sinking Fund.....	335,834 80
Water 1922 Loan Sinking Fund.....	10,174 43
	<hr/>
	\$3,523,871 57

Increment of Sinking Funds.

The increment of the sinking funds from December 31, 1895, to December 31, 1896, amounting to.....	795,820 34
Was derived thus:	
From interest upon investments	\$ 97,486 65
From rental of Hillen Station	\$16,000 00
Less amount set apart in sinking fund.....	2,000 00
	<hr/>
	14,000 00
From rental of Western Maryland Railroad Terminal Company Depot.....	\$9,181 47
Less amount set apart in sinking fund	1,311 60
	<hr/>
	7,869 87
<i>Amount carried forward</i>	\$119,356 52

<i>Amount brought forward</i>	\$119,356 52	
From rental of real estate	30,106 71	
From premium on sale of \$500,000 Public Im- provement 1940's, at \$105.23.....	26,150 00	
From premium on sales of various stocks in funds.....	18,209 87	
From City Collector for General Sinking Funds.	207,415 32	
From City Collector for Water 1916 Loan Sinking Fund.....	40,697 80	
From City Collector for Water 1922 Loan Sinking Fund.....	10,174 43	
From City Collector for Water 1926 Loan Sinking Fund.....	28,256 05	
From City Collector for Internal Improvement 1928 Loan Sinking Fund.....	84,767 43	
From City Collector for Public Improvement 1940 Loan Sinking Fund.....	56,156 40	
From City Collector for Four Million 1945 Loan Sinking Fund.....	13,311 39	
From Water Board, on account of surplus....	348,840 00	
From Mayor and City Council, sales of city property.....	1,385 00	
From sale of \$83,000 Philadelphia and Reading Railroad Third Mortgage Preferred Income Bonds, at \$5 less commission.....	3,941 50	
From Park Board, 5 per cent, on receipts of park tax during 1896.....	12,143 56	
	<hr/>	1,000,911 98
From which deduct:		
Interest paid on Western Maryland Railroad Six Per Cent, 1902 Loan.....	\$60,000 00	
Interest paid on Western Maryland Railroad Six Per Cent, Third Mortgage Bonds	52,725 00	
Premium on purchase of Stocks.....	76,093 87	
Accrued rent on ground rents purchased	342 92	
For condemnation of land for park purposes..	15,000 00	
For sundry expenses.....	929 85	
	<hr/>	205,091 64
		<hr/>
		\$795,820 34

And disbursed as shown by Statement No. 1 of Appendix.

4.—*Enoch Pratt Free Library Fund.*

This statement shows the condition of the Enoch Pratt Free Library Fund on December 31, 1896, under the control of the Commissioners of Finance, who are required "to invest the interest upon the investments in the sinking fund, and the interest upon the interest, as the same shall be received, in the public debt of the City of Baltimore, until the annual income from said investments shall reach the sum of fifty thousand dollars." In the meantime the Mayor and City Council are required to pay the annuity by tax levy. "When the said annual income upon the investments in the sinking fund shall reach the sum of fifty thousand dollars, the making of said investments for said purpose shall

cease, and the said annual income of fifty thousand dollars arising therefrom shall be thereafter appropriated and applied to the payment of the annuity of fifty thousand dollars to the Trustees of the Enoch Pratt Free Library of Baltimore City, and all taxation for the purpose of raising said annuity of fifty thousand dollars for such purpose shall cease and be discontinued."

The above-named law was complied with, and in 1893 the income from investments amounted to \$50,341 annually, and taxation ceased in 1892. The redemption of maturing 5 and 6 per cent. loans contained in the fund, and the reinvestment of the amount in stock bearing $3\frac{1}{2}$ per cent. interest has reduced the annual income to \$49,502.50.

It will therefore be necessary for the Mayor and City Council to appropriate \$497.50 annually to supply deficiency in income.

5.—*The Horwitz Benevolent Fund.*

This statement shows the condition of the Horwitz Benevolent Fund under the management of the Commissioners of Finance, who on December 28, 1888, under authority of Resolution No. 7 of 1888, accepted from the executors of Orville Horwitz, deceased, the sum of ten thousand dollars (\$10,000), which with its increments is in the said last will and testament directed to be known as the "Horwitz Benevolent Fund."

6.—*Real Estate and Ground Rents.*

The schedule of real estate and ground rents presented in this form for convenience of reference embraces only so much of the city property, as is in control and shown upon the books of the Commissioners of Finance, and from which income is derived from rentals.

The income derived from public wharves and market houses being applied to current expenses, does not appear in these accounts (Article 47, Section 14, Baltimore City Code).

7.—*Funded and Guaranteed Debt.*

The issues on December 31, 1896, amount to.....	\$33,502,018 43
On December 31, 1895, they amounted to.....	32,437,818 43
Showing an increase during the year of.....	\$1,064,200 00

Thus:

Amount of Public Improvement Three-and-one-half Per Cent. 1940 Loan issued.....	\$1,067,600 00
Amount of Four Million Three-and-one-half Per Cent. 1945 Loan issued.....	12,600 00
	<hr/> 1,080,200 00
Less:	
Amount of Water Five Per Cent. 1894 Loan redeemed..	\$15,000 00
Amount of Consolidated Six Per cent. 1890 Loan redeemed...	1,000 00
	<hr/> 16,000 00
	<hr/> 1,064,200 00

Unproductive Investments.

Mortgages on Western Maryland Railroad....	\$1,875,000 00	
Accrued interest paid for Western Maryland Railroad Company.....	3,518,437 09	
4,000 shares of Western Maryland Railroad Stock, cost.....	200,000 00	
10,000 shares of Valley Railroad Company Stock, cost.....	1,000,000 00	
130 shares of Baltimore and Havre de Grace Turnpike Stock.....	.....
625 shares of Baltimore and York Turnpike Stock.....	.....
		<hr/> \$6,593,437 09

The foregoing statement does not embrace any items connected with current receipts and expenditures, but refers only to the stock and bond liabilities of the corporation, and to investments specially set apart for the redemption of the same. The accounts now submitted for your consideration exhibit in detail all the transactions of the current fiscal year.

They show the receipts to have been.....	\$1,552,187 65	
And the payments to have been.	1,451,187 64	
		<hr/>
Balance in banks to credit of Sinking Funds.....	\$101,000 01	
		<hr/>
The value of the sinking funds on December 31, 1896, is.	\$3,523,871 57	
The value of the sinking funds on December 31, 1895, was.	2,744,051 23	
		<hr/>
Showing an increase during the year of.....	\$779,820 34	
Derived thus:		
Increment of the funds during the year.....	\$795,820 34	
Less:		
Redemption of loans.....	16,000 00	
		<hr/> \$779,820 34

A sale of \$500,000 Public Improvement Three-and-one-half Per Cent. 1940 Loan was made by public advertisement, inviting competitive bids on November 30, 1896, at \$105.23.

The Commissioners of Finance took for the sinking funds during the year \$567,600 of Public Improvement Three-and-one-half Per Cent. 1940 Loan and \$12,600 of Four Million Three-and-one-half Per Cent. 1945 Loan at par.

Respectfully submitted.

ALCAEUS HOOPER, <i>Mayor</i> ,	} <i>Commissioners</i> <i>of Finance.</i>
DERICK FAHNESTOCK,	
JOHN B. RAMSAY.	

WILLIAM F. STONE, *Clerk to Commissioners of Finance.*

APPENDIX.

STATEMENT

DR. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

To balance, December 31, 1895..... \$118,899 73

To General Sinking Fund.

From interest on stocks, bonds and investments.....	\$49,872 48	
From rental of real estate.....	30,106 71	
From City Collector by tax levy.....	207,415 32	
From seven-eighths rental of Hillen station..	14,000 00	
From six-sevenths rental of Western Maryland Railroad Terminal Company's Depot..	7,869 87	
From redemption of Paving Certificates.....	10,794 44	
From Mayor and City Council, sales of city property.....	1,385 00	
From sale of \$83,000 Philadelphia and Reading Railroad Third-Mortgage Preferences, including bonds at \$5 less commission.....	3,941 50	
From sale of city's interest in Pittsburg and Connellsville Railroad Company.....	200,000 00	
From sale of \$9,200 Western Maryland Railroad Three-and-one-quarter Per Cent. 1927 Loan, at 98.....	9,016 00	
		534,401 32

To Western Maryland Railroad Terminal Company's Sinking Fund

From interest on stock.....	\$803 34	
From one-seventh rental of Western Maryland Railroad Terminal Company's Depot..	1,311 60	
From sale of \$2,600 Water Five Per Cent. 1916 Loan at 120.....	3,120 00	
		5,234 94

To Hillen Station Sinking Fund.

From interest on stocks.....	\$2,440 80	
From one-eighth rental of Hillen Station.....	2,000 00	
From sale of \$4,100 Water Five Per Cent. 1916 Loan at 120.....	4,920 00	
		9,360 80

To Western Maryland Railroad 1925 Sinking Fund.

From interest on stocks.....	\$2,557 70	
From sale of \$6,100 Water Five Per Cent. 1916 Loan at 120.....	7,320 00	
		9,877 70

Amount carried forward..... \$677,774 49

No. 1.

THE MAYOR AND CITY COUNCIL OF BALTIMORE.

CR.

By General Sinking Fund.

For redemption of Water Five Per Cent. 1894 Loan	\$15,000 00	
For redemption of Consolidated Six Per Cent. 1890 Loan.....	1,000 00	
For \$212,000 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	212,000 00	
For \$83,200 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	83,200 00	
For \$5,000 Jones Falls Five Per Cent. 1900 Loan, at 103½ ex. int.....	5,162 50	
For \$25,000 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 104.....	26,000 00	
For \$25,000 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 102½.....	25,625 00	
For \$6,400 Consolidated Three-and-one-half Per Cent. 1930 Loan, at 102½.....	6,560 00	
For \$6,500 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 102.....	6,630 00	
For \$1,000 Consolidated Three-and-one-half Per Cent. 1930 Loan, at 102½.....	1,025 00	
For \$2,600 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	2,600 00	
For \$9,500 City Hall Six Per Cent. 1900 Loan, at 106.....	10,070 00	
For \$25 Consolidated Three-and-one-half Per Cent. 1930 Loan, at 100	25 00	
For \$4,000 City Hall Six Per Cent. 1900 Loan, at 106½ ex. int.....	4,275 00	
For \$5,600 Four Million Three-and-one-half Per Cent. 1945 Loan, at 100.....	5,600 00	
For purchase of ground rents under Ordinance No. 81 of 1881.....	25,850 00	
For accrued rent on ground rents purchased..	342 92	
For interest on Western Maryland Railroad Six Per Cent. 1902 Loan.....	60,000 00	
For interest on Western Maryland Railroad Six Per Cent. Third Mortgage Bonds.....	52,725 00	
For examination of accounts.....	200 00	
For rent of safe.....	60 00	
For making plats of property.....	300 00	
For interest books.....	252 00	
		\$544,502 42
<i>By Western Maryland Railroad Terminal Company Sinking Fund.</i>		
For \$5,000 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	\$5,000 00	
For \$400 Four Million Three-and-one-half Per Cent. 1945 Loan, at 100.....	400 00	
		5,400 00
<i>Amount carried forward.....</i>		\$549,902 42

STATEMENT

DR. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

<i>Amount brought forward</i>		\$677,774 49	
<i>To Western Maryland Railroad 1927 Loan Sinking Fund.</i>			
From interest on stocks.....	\$4,531 24		
From sale of \$3,700 Water Five Per cent. 1916 Loan, at 120.....	4,440 00		
			8,971 24
<i>To Internal Improvement 1928 Loan Sinking Fund.</i>			
From interest on stocks.....	\$18,090 23		
From City Collector by tax levy	84,767 43		
From sale of \$48,300 Water Five Per Cent. 1916 Loan, at 120.....	57,960 00		
From sale of \$1,100 Water Four Per Cent. 1926 Loan, at 106....	1,166 00		
From sale of \$9,300 Western Maryland Railroad Four Per Cent. 1925 Loan, at 106.....	9,858 00		
			171,841 66
<i>To Water 1926 Loan Sinking Fund.</i>			
From interest on stocks.....	\$8,406 00		
From City Collector by tax levy	28,256 05		
From sale of \$15,200 Water Five Per Cent. 1916 Loan, at 120.....	18,240 00		
From sale of \$45,000 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 104 $\frac{3}{4}$	47,137 50		
From sale of \$8,700 Internal Improvement Three-and-one-half Per Cent. 1928 Loan, at 104 $\frac{5}{8}$	9,102 37		
From sale of \$9,500 City Hall Six Per Cent. 1900 Loan, at 106.....	10,070 00		
			121,211 92
<i>To Public Improvement 1940 Loan Sinking Fund.</i>			
From interest on stocks.....	\$4,321 00		
From City Collector by tax levy	56,156 40		
From premium on sale of \$500,000 stock, at 105.23	26,150 00		
			86,627 40
<i>To Water Five Per Cent. 1916 Loan Sinking Fund.</i>			
From Water Board on account of surplus	\$348,840 00		
From City Collector by tax levy.....	40,697 80		
From interest on stock	7,650 00		
			397,187 80
<i>Amount carried forward</i>			\$1,463,614 51

No. 1—Continued.

THE MAYOR AND CITY COUNCIL OF BALTIMORE.

Cr.

<i>Amount brought forward.....</i>		\$549,902 42
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By Hillen Station Sinking Fund.

For \$100 Funding Five Per Cent. 1916 Loan, at 121.....	\$ 121 00	
For \$8,600 Public Improvement Three-and- one-half Per Cent. 1940 Loan, at 100.....	8,600 00	
For \$800 Four Million Three-and-one-half Per Cent. 1945 Loan, at 100	800 00	
	<hr/>	9,521 00

*By Western Maryland Railroad 1925 Loan
Sinking Fund.*

For \$9,300 Western Maryland Railroad Four Per Cent. 1925 Loan, at 106.....		9,858 00
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*By Western Maryland Railroad 1927 Loan
Sinking Fund.*

For \$9,200 Western Maryland Railroad Three- and-one-quarter Per Cent. 1927 Loan, at 98		9,016 00
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*By Internal Improvement 1928 Loan Sinking
Fund.*

For \$25,000 Internal Improvement Three-and- one-half Per Cent. 1928 Loan, at 102½.....	\$25,625 00	
For \$91,100 Internal Improvement Three-and- one-half Per Cent. 1928 Loan, at 102.....	92,922 00	
For \$37,600 Public Improvement Three-and- one-half Per Cent. 1940 Loan, at 100.....	37,600 00	
For \$8,700 Internal Improvement Three-and- one-half Per Cent. 1928 Loan, at 104½.....	9,102 37	
	<hr/>	165,249 37

By Water 1926 Loan Sinking Fund.

For \$51,100 Public Improvement Three-and- one-half Per Cent. 1940 Loan, at 100.....	\$51,100 00	
For \$1,100 Water Four Per Cent. 1926 Loan, at 106.....	1,166 00	
For \$1,000 Water Four Per Cent. 1926 Loan, at 106.....	1,060 00	
For \$1,100 Water Four Per Cent. 1926 Loan, at 104 ex. int.....	1,144 00	
For \$1,000 Water Four Per Cent. 1926 Loan, at 104 ex. int	1,040 00	
For \$3,800 Water Five Per Cent. 1916 Loan, at 122.....	46,360 00	
For \$18,300 Public Improvement Three-and- one-half Per Cent. 1940 Loan, at 100.....	18,300 00	
	<hr/>	120,170 00
<i>Amount carried forward.....</i>		\$863,716 79

STATEMENT

DR. THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

<i>Amount brought forward.....</i>		\$1,463,614 51
<i>To Four Million 1945 Loan Sinking Fund.</i>		
From interest on stocks.....	\$ 1,946 00	
“ City Collector, by tax levy:.....	13,311 39	
		15,257 39
<i>To Water 1922 Loan Sinking Fund.</i>		
From City Collector, by tax levy.....		10,174 43
<i>To Public Park Sinking Fund No. 2.</i>		
From interest on stocks.....	\$ 112 00	
“ Park Board, being five per cent. on receipts of park tax from city passenger railway companies in 1896.....	12,143 56	
		12,255 56
<i>To Enoch Pratt Free Library Fund.</i>		
From interest on stocks.....	\$49,502 50	
“ Mayor and City Council, to supply deficiency.....	758 61	
		50,261 11
<i>To Horwitz Benevolent Fund.</i>		
From interest on stocks.....		624 65
		<hr/>
		\$1,552,187 65

No. 1—Continued.

THE MAYOR AND CITY COUNCIL OF BALTIMORE.

CR.

<i>Amount brought forward.....</i>		\$863,716 79
<i>By Public Improvement 1940 Loan Sinking Fund.</i>		
For \$51,300 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	\$51,300 00	
For \$2,100 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	2,100 00	
For \$4,100 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	4,100 00	
For amount paid for advertising for proposals.	117 85	
For \$29,200 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	29,200 00	
		86,817 85
<i>By Water 1916 Loan Sinking Fund.</i>		
For \$10,700 Water Five Per Cent. 1916 Loan, at 120.....	\$12,840 00	
For \$200,000 Water Five Per Cent. 1916 Loan, at 120.....	240,000 00	
For \$3,000 Water Five Per Cent. 1916 Loan, at 121.....	3,630 00	
For \$80,000 Water Five Per Cent. 1916 Loan, at 120.....	96,000 00	
For \$1,100 Water Five Per Cent. 1916 Loan, at 121.....	1,331 00	
For \$11,200 Water Five Per Cent. 1916 Loan, at 121.....	13,552 00	
For \$21,600 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	21,600 00	
		388,953 00
<i>By Four Million 1945 Loan Sinking Fund.</i>		
For \$13,600 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	\$13,600 00	
For \$1,000 Four Million Three-and-one-half Per Cent. 1945 Loan, at 100.....	1,000 00	
For \$900 Four Million Three-and-one-half Per Cent. 1945 Loan, at 100.....	900 00	
		15,500 00
<i>By Water 1922 Loan Sinking Fund.</i>		
For \$7,300 Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	\$7,300 00	
For \$800 Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	800 00	
For \$800 Four Million Three-and-one-half Per Cent. 1945 Loan.....	800 00	
		8,900 00
<i>Amount carried forward.....</i>		\$1,363,887 64

STATEMENT

DR.

THE COMMISSIONERS OF FINANCE IN ACCOUNT WITH

<i>Amount brought forward</i>	\$1,552,187 65
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\$1,552,187 65

No. 1—Continued.

THE MAYOR AND CITY COUNCIL OF BALTIMORE.

Cr.

Amount brought forward..... \$1,363,887 64

By Public Park Sinking Fund No. 2.

For \$9,100 Public Improvement 1940 Three-and-one-half Per Cent. Loan, at 100.....	\$9,100 00	
For \$3,100 Four Million 1945 Three-and-one-half Per Cent. Loan, at 100.....	3,100 00	
		12,200 00

By Enoch Pratt Free Library Fund.

For amount paid to Enoch Pratt Free Library.		50,000 00
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By Public Park Sinking Fund.

For amount paid to Mayor and City Council for extension of Patterson Park.....	\$15,000 00	
For \$9,400 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	9,400 00	
		24,400 00

By Horwitz Benevolent Fund.

For \$600 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at 100.....	\$600 00	
For \$100 Public Improvement Three-and-one-half Per Cent. 1940 Loan, at \$100.....	100 00	
		700 00

By balance, cash in banks to credit of sinking funds on December 31, 1896.....		101,000 01
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\$1,552,187 65

STATEMENT No. 2.

"The Commissioners of Finance shall invest in city stock all moneys in their hands received from the sale or rent of city property, pledged for the redemption of the public debt, and shall invest all moneys that may hereafter be received from the above-mentioned sources, as well as all interest accruing thereon, from time to time, and report to the City Council the amounts purchased, and the dates and prices at which they were purchased."—*Article 47, Section 13, Baltimore City Code.*

DATE.	AMOUNT PURCHASED.	DESCRIPTION OF STOCK.	AMOUNT PAID.
1895.			
May 7.....	\$ 10,700	Water Five Per Cent. 1916 Loan.....	\$ 12,840 00
May 8.....	200,000	Water Five Per Cent. 1916 Loan.....	240,000 00
June 19.....	3,000	Water Five Per Cent. 1916 Loan.....	3,630 00
June 22.....	80,000	Water Five Per Cent. 1916 Loan.....	96,000 00
July 1.....	212,000	Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	212,000 00
July 8.....	83,200	Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	83,200 00
July 18.....	5,000	Jones Falls Five Per Cent. 1900 Loan.....	5,162 50
July 18.....	25,000	Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	26,000 00
July 30.....	25,000	Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	25,625 00
July 30.....	6,400	Consolidated Three-and-one-half Per Cent. 1930 Loan.....	6,560 00
July 31.....	6,500	Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	6,630 00
July 30.....	25,000	Internal Improvement Three-and-one-half Per Cent. 1928 Loan.....	25,625 00
July 31.....	91,100	Internal Improvement Three-and-one-half Per Cent. 1928 Loan.....	92,922 00
July 8.....	51,300	Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	51,300 00
August 20.....	1,100	Water Five Per Cent. 1916 Loan.....	1,331 00
August 20.....	100	Funding Five Per Cent. 1916 Loan.....	121 00
August 31.....	11,200	Water Five Per Cent. 1916 Loan.....	13,552 00
August 31.....	1,000	Consolidated Three-and-one-half Per Cent. 1930 Loan.....	1,025 00
September 8.....	100,000	Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	100,000 00
September 16.....	1,100	Water Five Per Cent. 1916 Loan.....	1,166 00
October 9.....	1,000	Water Four Per Cent. 1926 Loan.....	1,060 00

October 10.....	9,400	Public Improvement Three-and-one-half Per Cent. 1940 Loan....	9,400 00
October 19.....	1,100	Water Four Per Cent. 1926 Loan.....	1,144 00
October 23.....	1,000	Water Four Per Cent. 1926 Loan.....	1,040 00
October 30.....	37,600	Public Improvement Three-and-one-half Per Cent. 1940 Loan....	37,600 00
October 30.....	38,000	Water Five Per Cent. 1916 Loan.....	46,360 00
October 30.....	8,700	Internal Improvement Three-and-one-half Per Cent. 1928 Loan....	9,102 37
October 30.....	9,500	City Hall Six Per Cent. 1900 Loan.....	10,070 00
October 30.....	9,300	Western Maryland Railroad Four Per Cent. 1925 Loan.....	9,858 00
October 30.....	9,200	Western Maryland Railroad Three-and-one-quarter Per Cent. 1927 Loan.....	9,016 00
November 7.....	4,100	Four Million Three-and one-half Per Cent. 1945 Loan.....	4,100 00
November 7.....	5,000	Public Improvement Three-and-one-half Per Cent. 1940 Loan....	5,000 00
November 9.....	39,900	Public Improvement Three-and-one-half Per Cent. 1940 Loan....	39,900 00
November 9.....	25	Consolidated Three-and-one-half Per Cent. 1930 Loan.....	25 00
December 4.....	29,200	Public Improvement Three-and-one-half Per Cent. 1940 Loan....	29,200 00
December 12.....	4,000	City Hall Six Per Cent. 1900 Loan.....	4,275 00
December 28.....	8,500	Four Million Three-and-one-half Per Cent. 1945 Loan.....	8,500 00
	\$1,154,225		\$1,230,339 87

RECAPITULATION.

<i>Amount Purchased.</i>	<i>Description of Stock.</i>	<i>Amount Paid.</i>
\$ 13,500.....	Six Per Cent. Stock	\$ 14,345 00
350,200.....	Five Per Cent. Stock.....	420,161 50
12,400.....	Four Per Cent. Stock.....	13,102 00
768,925.....	Three-and-one-half Per Cent. Stock	773,715 37
9,200.....	Three-and-one-quarter Per Cent. Stock.....	9,016 00
\$1,154,225		\$1,230,339 87

STATEMENT No. 3.

CONDITION OF SINKING FUNDS DECEMBER 31, 1896.

General Sinking Fund.

City Hall Six Per Cent. 1900 Loan.....		\$ 13,500 00
Jones' Falls Five Per Cent. 1900 Loan.....		5,000 00
Patterson Park Four Per Cent. 1920 Loan.....	\$ 5,000 00	
Harford Run Four Per Cent. 1904 Loan.....	1,700 00	
		<hr/> 6,700 00
Consolidated Three-and-one-half Per Cent 1930		
Loan.....	\$7,479 49	
Public Improvement Three-and-one-half Per		
Cent. 1940 Loan.....	477,700 00	
Four Million Three-and-one-half Per Cent.		
1945 Loan.....	5,600 00	
		<hr/> 490,779 49
Western Maryland Railroad Three-and-one-		
quarter Per Cent. 1927 Loan.....		21,100 00
Western Maryland Railroad Six Per Cent.		
First Mortgage Bonds, due January 1, 1890..		43,500 00
Western Maryland Six Per Cent. Second Pre-		
ferred Mortgage Bonds, due January 1, 1895.		178,500 00
Western Maryland Railroad Six Per Cent.		
Third Mortgage Guaranteed Bonds (Regis-		
tered).....		17,000 00
Western Maryland Railroad Six Per Cent.		
Funding Certificates.....		226,530 00
Western Maryland Railroad Unendorsed Cou-		
pons off First Mortgage Bonds.....		71,742 00
Hillen Station property.....	\$200,000 00	
Less amount set apart in sinking fund for the		
repayment of the cost thereof.....	62,215 61	
		<hr/> 137,784 39
Western Maryland Railroad Terminal Com-		
pany depot property.....	\$131,163 81	
Less amount set apart in sinking fund for the		
repayment of the cost thereof.....	22,709 57	
		<hr/> 108,454 24
Ground rents purchased under Ordinance No.		
81 of 1881.....		336,485 27
Cash.....		59,340 29
		<hr/> <hr/> \$1,716,415 68

*Western Maryland Railroad Terminal
Company Sinking Fund.*

City Hall Six Per Cent. 1900 Loan.....	\$ 1,000 00	
City Hall Six Per Cent. 1902 Loan.....	100 00	
Western Maryland Railroad Six Per Cent. 1902 Loan.....	1,100 00	
Funding Six Per Cent. 1900 Loan.....	1,000 00	
Jones' Falls Six Per Cent. 1900.....	1,200 00	
	<hr/>	\$ 4,400 00
Western Maryland Railroad Company Six Per Cent. Third Mortgage Guaranteed Bonds....		1,000 00
Consolidated Three-and-one-half Per Cent. 1930 Loan.....	\$ 3,300 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	12,600 00	
Four Million Three-and-one-half Per Cent. 1945 Loan.....	400 00	
	<hr/>	16,300 00
Jones' Falls Three-and-sixty-five-hundredth Per Cent. 1900 Loan.....		900 00
Cash.....		109 57
		<hr/>
		\$22,709 57

Hillen Station Sinking Fund.

City Hall Six Per Cent. 1900 Loan.....	\$2,900 00	
" " " " " 1902 ".....	300 00	
Funding " " " 1900 ".....	1,000 00	
Jones' Falls Six Per Cent. 1900 Loan.....	2,800 00	
Western Maryland Railroad Six Per Cent. 1902 Loan.....	5,700 00	
	<hr/>	\$12,700 00
Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds.....		500 00
Jones' Falls Five Per Cent. 1900 Loan.....	\$8,000 00	
Funding Five Per Cent. 1916 ".....	2,000 00	
	<hr/>	10,000 00
Paving Four Per Cent. 1920 Loan.....		3,000 00
Jones' Falls Three-and-sixty-five-one-hun- dredth Per Cent. 1900 Loan.....		3,200 00
Consolidated Three-and-one-half Per Cent. 1930 Loan.....	\$ 4,700 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	27,100 00	
Four Million Three-and-one-half Per Cent. 1945 Loan.....	800 00	
	<hr/>	32,600 00
Cash.....		215 61
		<hr/>
		\$62,215 61

*Western Maryland Railroad 1925
Sinking Fund.*

City Hall Six Per Cent. 1900 Loan.....	\$3,300 00	
“ “ “ “ 1902 “	2,700 00	
Funding “ “ “ 1900 “	2,800 00	
Western Maryland Railroad Six Per Cent. 1902 Loan.....	2,600 00	
Jones' Falls Six Per Cent. 1900 Loan.....	100 00	
		<hr/>
		\$11,500 00
Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds.....		500 00
Western Maryland Railroad Four Per Cent. 1925 Loan.....		31,100 00
Jones' Falls Three-and-sixty-five-one-hun- dredth Per Cent. 1900 Loan.. ..		800 00
Consolidated Three-and-one-half Per Cent. 1930 Loan.....	\$11,900 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	10,500 00	
		<hr/>
		22,400 00
Cash.....		96 82
		<hr/>
		\$66,396 82
		<hr/>

*Western Maryland Railroad 1927 Loan
Sinking Fund.*

City Hall Six Per Cent. 1900 Loan.....	\$ 700 00	
City Hall Six Per Cent. 1902 Loan.....	400 00	
Funding Six Per Cent. 1900 Loan.....	700 00	
Jones' Falls Six Per Cent. 1900 Loan.....	3,000 00	
Western Maryland Railroad Six Per Cent. 1902 Loan	1,500 00	
		<hr/>
		\$6,300 00
Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds.....		4,500 00
Consolidated Three-and-one-half Per Cent. 1930 Loan.....	\$ 1,700 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan	13,100 00	
		<hr/>
		14,800 00
Western Maryland Railroad Three-and-one- quarter Per Cent. 1927 Loan.....		109,900 00
Cash.....		87 00
		<hr/>
		\$135,587 00
		<hr/>

Internal Improvement 1928 Loan Sinking Fund.

Jones' Falls Six Per Cent. 1900 Loan.....	\$20,700 00	
Funding Six Per Cent. 1900 Loan.....	9,800 00	
City Hall Six Per cent. 1900 Loan.....	12,600 00	
City Hall Six Per Cent. 1902 Loan.....	5,400 00	
Western Maryland Railroad Six Per Cent. 1902 Loan.....	11,700 00	
	<hr/>	\$60,200 00
Funding Five Per Cent. 1916 Loan.....	\$8,900 00	
Jones' Falls Five Per Cent. 1900 Loan.....	1,200 00	
	<hr/>	10,100 00
Harford Run Four Per Cent. 1920 Loan.....	\$ 7,700 00	
Western Maryland Railroad Four Per Cent. 1925 Loan.....	10,300 00	
	<hr/>	18,000 00
Jones' Falls Three - and - sixty - five - one-hundredth Per Cent. 1900 Loan.....		7,500 00
Internal Improvement Three-and-one-half Per Cent. 1928 Loan.....	\$168,100 00	
Consolidated Three-and-one-half Per Cent. 1930 Loan.....	8,000 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	241,100 00	
Four Million Three-and-one-half Per Cent. 1945 Loan.....	2,500 00	
	<hr/>	419,700 00
Western Maryland Railroad Three-and-one-quarter Per Cent. 1927 Loan.....		73,000 00
Cash.....		15,886 91
		<hr/>
		\$604,386 91

Public Improvement 1940 Loan Sinking Fund.

Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	\$201,800 00
Western Maryland Railroad Three-and-one-quarter Per Cent. 1927 Loan.....	9,000 00
Cash.....	7,043 15
	<hr/>
	\$217,843 15

Water 1916 Loan Sinking Fund.

Water Five Per Cent. 1916 Loan.....	\$306,000 00
Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	21,600 00
Cash.....	8,234 80
	<hr/>
	\$335,834 80

Four Million 1945 Loan Sinking Fund.

Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	\$69,200 00	
Four Million Three-and-one-half Per Cent. 1945 Loan.....	1,900 00	
		<hr/>
		\$71,100 00
Cash.....		1,408 74
		<hr/>
		\$72,508 74

Water 1922 Loan Sinking Fund.

Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	\$8,100 00	
Four Million Three-and-one-half Per Cent. 1945 Loan.....	800 00	
		<hr/>
		\$8,900 00
Cash.....		1,274 43
		<hr/>
		\$10,174 43

Public Park Sinking Fund.

Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	\$9,400 00	
Cash.....	99 48	
		<hr/>
		\$9,499 48

Public Park Sinking Fund No. 2.

Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	\$12,300 00	
Four Million Three-and-one-half Per Cent. 1945 Loan.....	3,100 00	
		<hr/>
		\$15,400 00
Cash.....		77 89
		<hr/>
		\$15,477 89

Water 1926 Loan Sinking Fund.

City Hall Six Per Cent. 1900 Loan.....	\$2,300 00	
" " " " 1902 "	3,400 00	
Funding " " " 1900 "	17,200 00	
Jones' Falls Six Per Cent. 1900 Loan.....	5,000 00	
Western Maryland Railroad Six Per Cent. 1902 Loan	2,300 00	
		<hr/>
		\$30,200 00
Jones' Falls Five Per Cent. 1900 Loan.....	\$ 100 00	
Water Five Per Cent. 1916 Loan.....	38,000 00	
		<hr/>
		38,100 00
Water Four Per Cent. 1926 Loan.....		4,200 00
Consolidated Three-and-one-half Per Cent. 1930 Loan.....	\$ 31,600 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	123,400 00	
		<hr/>
		155,000 00
Western Maryland Railroad Three-and-one-quarter Per Cent. 1927.....		22,200 00
Cash.....		5,121 49
		<hr/>
		\$254,821 49

Recapitulation.

General Sinking Fund.....	\$1,716,415 68
Western Maryland Railroad Terminal Company Sinking Fund.....	22,709 57
Hillen Station Sinking Fund.....	62,215 61
Western Maryland Railroad 1925 Loan Sinking Fund.....	66,396 82
.. .. 1927	135,587 00
Internal Improvement 1928 Loan Sinking Fund.....	604,386 91
Public .. 1940	217,843 15
Water 1916 Loan Sinking Fund.....	335,834 80
Four Million 1945 Loan Sinking Fund.....	72,508 74
Water 1922 Loan Sinking Fund.....	10,174 43
Public Park 1890 Loan Sinking Fund	9,499 48
Public Park (Clifton) Loan Sinking Fund No. 2.....	15,477 89
Water 1926 Loan Sinking Fund.....	254,821 49
	<hr/>
	\$3,523,871 57

STATEMENT No. 4.

CONDITION OF THE ENOCH PRATT FREE LIBRARY FUND, HELD IN TRUST BY
THE COMMISSIONERS OF FINANCE, AS PER ORDINANCE No. 64 OF 1883.

Funding Six Per Cent. 1900 Loan.....	\$16,900 00	
City Hall 1900	35,700 00	
.. .. 1902	6,500 00	
Western Maryland Railroad Six Per Cent. 1902 Loan.....	21,300 00	
Jones Falls Six Per Cent. 1900 Loan	11,300 00	
	<hr/>	\$ 91,700 00
Western Maryland Railroad Six Per Cent. Third Mortgage Guaranteed Bonds (regist'd).....		10,000 00
Water Five Per Cent. 1916 Loan	\$54,300 00	
Funding 1916	2,500 00	
Jones Falls Five Per Cent. 1900 Loan	81,200 00	
	<hr/>	138,000 00
Paving Four Per Cent. 1920 Loan.....	\$ 62,300 00	
Patterson Park Four Per Cent. 1920 Loan....	195,000 00	
Water 1922	500,000 00	
Western Maryland Railroad Four Per Cent. 1925 Loan.....	2,100 00	
Harford Run Four Per Cent. 1920 Loan.....	900 00	
Water 1926	1,000 00	
	<hr/>	761,300 00
Consolidated Three-and-one-half Per Cent. 1930 Loan	\$113,200 00	
Internal Improvement Three-and-one-half Per Cent. 1928 Loan.....	13,200 00	
Public Improvement Three-and-one-half Per Cent. 1940 Loan.....	42,700 00	
	<hr/>	169,100 00
Western Maryland Railroad Three-and-one-quarter Per Cent. 1927 Loan.....		4,000 00
		<hr/>
		\$1,174,100 00

STATEMENT No. 5.

CONDITION OF THE HORWITZ BENEVOLENT FUND, HELD IN TRUST BY THE
COMMISSIONERS OF FINANCE, AS PER RESOLUTION No. 7 OF 1888.

Funding Six Per Cent. 1900 Loan.....	\$1,800 00	
City Hall Six Per Cent. 1900 Loan	1,300 00	
Western Maryland Railroad Six Per Cent. 1902 Loan	5,300 00	
Jones Falls Six Per Cent. 1900 Loan.....	200 00	
		<hr/>
Water Five Per Cent. 1916 Loan		\$8,600 00
Western Maryland Railroad Four Per Cent. 1925 Loan		400 00
Jones Falls Three-and-sixty-five-hundredth Per Cent. 1900 Loan		300 00
Public Improvement Three-and-one-half Per Cent. 1940 Loan		100 00
Western Maryland Railroad Three-and-one- quarter Per Cent. 1927 Loan.....		2,600 00
Cash		200 00
		38
		<hr/>
		\$12,200 38

STATEMENT No. 6.

A SCHEDULE OF REAL ESTATE AND GROUND RENTS UPON THE BOOKS OF THE
COMMISSIONERS OF FINANCE.

<i>Lessees.</i>	<i>Location of Lots.</i>	<i>Annual Rental.</i>
William E. Banks.....	Nos. 9, 10, 11, 12 President street.....	\$ 452 25
Mer. & Miners' Transp'n Co..	" 24, 25, 26, 27, 28, 29 s. s. Block st.	910 88
C. S. Maltby Company.....	" 5, 6, 7 and 8 n. s. Block street....	293 60
Sisters of Mercy.....	Calvert Street Spring lot.....	1,000 00
Balto. & Phil. S. B. Co.....	200 feet Pratt Street Wharf..	3,600 00
Platt & Co.....	Old Fish House property.....	1,457 00
E. B. Hunting & Co.....	Nos. 5, 6, 7 and 8 President street	502 50
George Hickman.....	Fayette and Arch streets.....	52 00
Boys' Home Society.....	Pleasant and Calvert streets.....	50 00
James Clark Company.....	Old City Yard property.....	497 25
Baltimore Dredging Company.	" " " "	480 00
Sarah A. Vogt.....	Battery avenue.....	157 50
John G. Huck.....	Charles and Weyler streets.....	75 70
Sophia M. Kelly.....	Nos. 5, 7 and 9 Weyler street.....	150 00
Aaron Hess.....	No. 11 Weyler street.....	33 60
John F. Weyler.....	" 13 " "	19 20
Joseph Felser.....	" 15 " "	26 32
Louis Kleinhenn.....	" 17 " "	26 32
Ida Young.....	Nos. 19 and 21 Weyler street.....	52 64
E. C. Eichelberger.....	No. 23 Weyler street.....	26 32
H. Klasmeier.....	" 25 " "	25 48
Catharine Karch.....	" 27 " "	26 32
Mary A. Steen.....	Nos. 31 and 33 Weyler street.....	52 64
Frederick Kull.....	No. 35 Weyler street.....	19 20
George Wimmer.....	" 37 " "	20 32
Snellenberg & Co.....	Nos. 39 and 41 Weyler street.....	54 49
J. A. J. Goetze.....	No. 43 Weyler street.....	29 60
August Pfeil.....	" 45 " "	29 60
Elizabeth Schott.....	" 49 " "	26 32
August Pfeil.....	Light and Weyler streets.....	78 06

Amount carried forward..... \$10,225 11

Amount brought forward.....\$10,225 11

PURCHASED BY AUTHORITY OF ORDINANCE NO. 81 OF 1881.

Baltimore Belt Railr'd Co.	Park avenue near Preston st..	\$549 00	
Mayor and City Council..	Hollins and Monroe streets...	750 00	
"	" Howard and Little Montgom-		
"	ery streets.....	120 00	
"	" Park avenue and Roberts st..	86 00	
"	" Frederick road and Fairview		
"	avenue.....	360 00	
"	" Waesche st. near Fremont ave.	480 00	
"	" Castle street.....	209 25	
"	" Hanover and Lee streets.....	210 00	
"	" Sharp and West streets.	570 00	
"	" Argyle ave. near Lanvale st..	120 00	
"	" Hull and Clement streets.....	350 00	
"	" Linden ave. and Wilson st...	840 00	
"	" Charles and Ostend streets...	372 50	
"	" Ann and Chase streets	501 75	
"	" Howard street opposite Centre	1,000 00	
"	" Preston and Eden streets.....	80 00	
"	" Broadway and Bank streets...	200 00	
"	" Mosher and Gilmor streets...	757 00	
"	" Northeast Market.....	1,200 00	
"	" Collington Square.....	960 00	
"	" Perkins Spring Square.....	2,052 00	
"	" Riverside Park.....	3,770 62	
"	" Holliday and Fayette streets..	56 00	
"	" Lexington and Paca streets...	228 00	
"	" Bond and Chew streets.....	130 00	
"	" Carey st. and Columbia ave...	385 00	
"	" Chappell street near Carey st..	630 00	
"	" Cross Street Market.....	974 00	
"	" Linden ave. and Konig street.	1,155 00	
"	" Baltimore st. near Aisquith st.	150 00	
			19,246 12
(Purchased at a cost of \$336,485.27).			\$29,471 23

STATEMENT No. 7.

FUNDED AND GUARANTEED DEBT.

NAME OF LOAN.	RATE.	WHEN REDEEMABLE.	AMOUNT.
City Hall.....	6 per ct.	March 15, 1900.....	\$1,000,000 00
Jones Falls.....	6 "	April 9, 1900.....	800,000 00
".....	5 "	" 9, 1900.....	957,000 00
".....	3 $\frac{65}{100}$ "	" 9, 1900.....	483,000 00
".....	3 $\frac{1}{2}$ "	" 9, 1900.....	160,000 00
".....	3 "	" 9, 1900.....	100,000 00
Funding.....	6 "	At pleasure after July 1, 1900.	800,000 00
Western Md. R. R.	6 "	January 1, 1902.....	1,000,000 00
City Hall.....	6 "	March 7, 1902.....	500,000 00
Harford Run.....	4 "	November 3, 1904.....	350,000 00
Water.....	5 "	At pleasure after July 1, 1916.	5,000,000 00
Funding.....	5 "	" " July 1, 1916.	1,000,000 00
McDonogh Ext.....	5 "	September 1, 1916.....	280,000 00
Harford Run.....	4 "	At pleasure after Jan. 1, 1920.	250,000 00
Patterson Park....	4 "	October 1, 1920.....	200,000 00
Paving.....	4 "	At pleasure after Nov. 1, 1920.	500,000 00
Water.....	4 "	" " Nov. 1, 1922.	500,000 00
Western Md. R. R.	4 "	July 1, 1925.....	684,000 00
Water.....	4 "	At pleasure after Nov. 1, 1926.	1,000,000 00
Western Md. R. R.	3 $\frac{1}{4}$ "	January 1, 1927.....	1,704,000 00
Internal Improv't.	3 $\frac{1}{2}$ "	July 1, 1928.....	4,850,000 00
Consolidated.....	3 $\frac{1}{2}$ "	At pleasure after July 1, 1930.	5,000,000 00
Public Improv't...	3 $\frac{1}{2}$ "	January 1, 1940.....	4,750,000 00
Four Million.....	3 $\frac{1}{2}$ "	March 1, 1945.....	735,100 00
1860 Stock.....	6 "	Unredeemed, no int. allowed.	482 00
Water 1875.....	6 "	" " " "	540 00
One Million 1886..	6 "	" " " "	630 50
Consolidated 1890..	6 "	" " " "	12,962 48
Five Million 1890..	6 "	" " " "	2,003 45
Exempt 1893.....	6 "	" " " "	500 00
Consolidated 1893..	6 "	" " " "	300 00
Water 1894.....	5 "	" " " "	3,500 00
Park Imp't 1895...	6 "	" " " "	3,000 00
			\$32,627,018 43
GUARANTEED DEBT.			
W. M. R. R. Six Per Cent. Third Mortgage Bonds			875,000 00
Total funded and guaranteed debt			\$33,502,018 43

STATEMENT No. 8.

BALANCE SHEET OF SINKING FUND'S LEDGER, DECEMBER 31, 1896.

	Dr.	Cr.
General Sinking Fund.....		\$59,340 29
Public Park Sinking Fund.....		99 48
Redemption of Five Million 1890 Loan.....		2,003 45
Western Maryland Railroad 1925 Loan Sinking Fund.....		96 82
Western Maryland Railroad 1927 Loan Sinking Fund.....		87 00
Western Maryland Terminal Company Sinking Fund.....		109 57
Public Improvement 1940 Loan Sinking Fund.		7,043 15
Horwitz Benevolent Fund.....		38
Hillen Station Sinking Fund.....		215 61
Internal Improvement 1928 Loan Sinking Fund.....		15,886 91
Four Million 1945 Loan Sinking Fund.....		1,408 74
Public Park (Clifton) Loan Sinking Fund.....		77 89
Water 1926 Loan Sinking Fund.....		5,121 49
Water 1916 Loan Sinking Fund		8,234 80
Water 1922 Loan Sinking Fund.....		1,274 43
		<hr/>
		\$101,000 01

STATEMENT No. 9.

INDEBTEDNESS OF THE WESTERN MARYLAND RAILROAD COMPANY TO THE
MAYOR AND CITY COUNCIL OF BALTIMORE, ON DECEMBER 31, 1896.

First Mortgage Bonds, due January 1, 1890, held by Commissioners of Finance.....	\$43,500 00	
Interest thereon from July 1, 1894.....	6,525 00	
		\$50,025 00
Second Preferred Mortgage Bonds, due Jan- uary 1, 1895, held by the Commissioners of Finance.....	\$178,500 00	
Interest thereon from July 1, 1894.....	26,775 00	
		205,275 00
Accrued interest on Second Mortgage Bonds, redeemed January 1, 1887.....		333,000 00
Third Mortgage endorsement.....	\$ 875,000 00	
Interest thereon to December 31, 1896.....	1,365,000 00	
		2,240,000 00
Fourth Mortgage to secure loan of city stock..	\$1,000,000 00	
Interest thereon to December 31, 1896.....	1,470,000 00	
		2,470,000 00
Fifth Mortgage, to secure loan of city stock..	\$1,704,000 00	
Interest thereon from July 1, 1894.....	138,450 00	
		1,842,450 00
Loan of city stock under Ordinance No. 71 of 1882.....	\$684,000 00	
Interest thereon from July 1, 1894.....	68,400 00	
		752,400 00
Funding certificates, being amount of matured coupons of First and Second Preferred Mort- gage Bonds, funded under Ordinance No. 22 of 1879.....	\$226,530 00	
Interest thereon from January 1, 1894.....	40,775 40	
		267,305 40
Coupons from First Mortgage Unendorsed Bonds.....	\$71,742 00	
Interest thereon to December 31, 1891.....	69,511 69	
		141,253 69
		<u>\$8,301,709 09</u>
Less:		
Value of Western Maryland Railroad 1925		
Loan Sinking Fund.....	\$ 66,396 82	
Value of Western Maryland Railroad 1927		
Loan Sinking Fund.....	135,587 00	
		201,983 82
		<u>\$8,099,725 27</u>

INTEREST ON FUNDED AND GUARANTEED DEBT.

FUNDED DEBT.

NAME OF LOAN.	RATE OF INTEREST.	WHEN PAYABLE.	WHERE PAYABLE.
City Hall 1900.....	6	Per Cent. January, April, July and October.	National Farmers and Planters' Bank.
City Hall 1902.....	6	" " " "	" National Farmers and Planters' Bank.
Funding 1900.....	6	" " " "	" National Farmers and Planters' Bank.
Patterson Park 1920.....	4	" " " "	" National Farmers and Planters' Bank.
Western Maryland Railroad 1927.....	3½	January and July	National Farmers and Planters' Bank.
Consolidated, 1930.....	3½	" " " "	" National Farmers and Planters' Bank.
Water 1916.....	5	May and November	National Mechanics' Bank.
" 1922.....	4	" " " "	" " "
" 1926.....	4	" " " "	" " "
Jones Falls 1900.....	6	February, May, August and November.....	National Exchange Bank.
" " 1900.....	5	February, May, August and November.....	" " "
" " 1900.....	3 ⁶⁵ / ₁₀₀	February, May, August and November.....	" " "
" " 1900.....	3½	February, May, August and November.....	" " "
" " 1900.....	3	February, May, August and November.....	" " "

INTEREST ON FUNDED AND GUARANTEED DEBT—Concluded.

NAME OF LOAN.	RATE OF INTEREST.	WHEN PAYABLE.	WHERE PAYABLE.
Four Million 1945.....	3½	March and September	National Exchange Bank.
McDonogh Extension 1916.....	5	"	"
Internal Improvement 1928.....	3½	January and July	Farmers and Merchants' National Bank.
Hanford Run 1904.....	4	"	Farmers and Merchants' National Bank.
" " 1920.....	4	"	Farmers and Merchants' National Bank.
Paving 1920.....	4	May and November	Farmers and Merchants' National Bank.
Funding 1916.....	5	"	Farmers and Merchants' National Bank.
Public Improvement 1940.....	3½	January and July	Merchants' National Bank.
Western Maryland Railroad 1925....	4	"	"
" " 1902....	6	"	"
GUARANTEED BONDS.			
Western Maryland Railroad Third Mortgage Bonds.....	6	Per Cent. January and July.	Merchants' National Bank.

ANNUAL REPORT

— OF THE —

CITY COMPTROLLER

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.

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REPORT.

COMPTROLLER'S DEPARTMENT, CITY HALL,

BALTIMORE, January 14th, 1897.

To the Honorable the Mayor and City Council of Baltimore :

GENTLEMEN: I beg to hand herewith, as required by law, the report of this department for the fiscal year ending December 31st, 1896.

In assuming charge of the office on the first Monday in March last, we were received very courteously and kindly by my predecessor, Mr. Horner, and his associates, and we were given every facility in making ourselves familiar with the various workings of the department—in fact, nearly all the old force kindly remained with us for *two weeks*, and we were thus enabled to get a pretty good insight into what was to be done.

After we had been in office a short time, we thought it best to make a number of changes in the systems then in vogue.

In the keeping of the books, the system was changed from *single* to *double* entry, as we considered it much more to be depended on in proving their accuracy, and we have every reason to believe the change was a desirable one. We have adopted, in the payment of bills, with the consent of the Mayor and Register, what is commonly known as the “voucher” system, one which is in practice by most of the railroads and other large corporations. A number of changes were made in the manner of issuing market and other licenses, the importance of which will be shown by the market and license tables exhibited herewith, and a number of other and smaller changes have been made from time to time, which we believe have been and will continue to be beneficial.

You will find herewith a full account of all receipts and expenditures, with accompanying tables, exhibiting in detail such information as we believe may be interesting to you.

You will note that the receipts from taxation (1896 levy) were estimated at 73 per cent., whereas only 70 $\frac{4}{10}$ per cent.

was collected. The arrearage was also estimated considerably above the amount actually received, but notwithstanding these facts, it is gratifying to note that there was enough saved out of the appropriations to offset the deficiencies and nearly \$85,000 more, thus decreasing the actual "floating debt" to that amount, as will be seen by Statement No. 12.

All bills have been paid which were presented where they were in proper shape, and not beyond the appropriation.

I wish to acknowledge, in behalf of myself and those associated with me in office work, the kind co-operation of the various departments of the city government, and the general courtesy extended by yourselves throughout the year.

Very respectfully, your obedient servant,

CHAS. D. FENHAGEN, *Comptroller*.

STATEMENTS.

STATEMENT No. 1.

RECEIPTS AND EXPENDITURES DURING THE FISCAL YEAR
ENDING DECEMBER 31, 1896.

Cash balance charged to City Register January 1, 1896 \$ 520,561 35

Received from City Collector.

Account tax levy, 1896, first twenty wards..	\$4,195,476 72	
“ taxes in arrears and interest, first twenty wards.....	1,316,376 09	
“ taxes in Annex, including arrears and interest	196,954 94	
“ sinking funds, taxes in arrears	89,758 14	
“ water tax, taxes in arrears	3,267 30	
“ opening and closing streets, etc....	55,253 03	
“ paving streets, etc.....	77,346 44	
		5,934,432 66

(For items in detail, see Statements Nos. 2, 7 and 8).

Received from Various Sources.

Water Board (rents, etc.).....	\$ 789,532 01
Park Board (city railway receipts, etc.).....	249,403 59
For account interest on stock debt. (See Statement No. 2.).....	383,527 50
For account public schools, State of Mary- land and other sources. (See Statement No. 2.).....	213,038 59
Liquor licenses. (See Statement No. 2.)....	400,181 53
General “ “ “ “	66,470 70
Markets (licenses, rents, etc.)	63,477 45
State tax on city loans. (See Statement No. 2.)	8,105 25
For account City Poor, additional from Bay View Asylum and fines	4,472 71
For account of Jail Board.....	8,352 59
Removed cases from counties	2,523 55
From Quarantine Hospital.....	11,957 46
“ permits for sheds, signs, etc.....	10,918 08
“ wharfage	27,509 25
“ Inspector of Gas Meters, etc.	3,095 75
“ sundry parties, account of temporary loans	4,200,000 00
“ intestate estates	2,087 06
“ State of Maryland, for free text books for account of public schools	52,521 13
“ Finance Commissioners, for sale of stock, account Six Million Loan...	1,093,750 00
“ Finance Commissioners, for sale of stock, account Four Million Loan..	12,600 00
“ telephone conduits	4,635 80
“ sale of old material and refuse.	6,836 52

From sale of old material, account street openings.....	\$ 3,770 35	
“ ground rents from sundry parties....	542 83	
“ Charity Organization Society, account transportation of poor	163 45	
“ rents from Gay, Hollins and Forrest streets, pending openings held for adjustment	3,465 40	
“ Electrical Subway Commission	2,232 31	
“ auction duties.....	8,334 92	
“ Fire Department, sale of material....	556 19	
“ Dog Pound, sale of dogs.....	404 92	
“ turnpike dividends	521 20	
“ sale of city property	1,420 00	
“ Maryland Construction Company, account North avenue bridge.....	21,824 61	
For account opening Whitelock street.....	10 00	
From Park Board, account of squares.....	24,309 82	
Received for account of various streets, and held for maturity of paving certificates ..	25,911 83	
City Library.....	230 50	
Topographical Survey.....	235 81	
Grade advertising.....	83 76	
City Collector.....	684 87	
Hospitals	49 21	
Health Department.....	5 00	
Registration.....	126 25	
Superintendent City Hall	4 50	
City seals	41 70	
Conscience funds	163 00	
General revenue (through Finance Comm'rs).	15,000 00	
Tax sales.....	2,636 77	
Cross Street Hall.....	259 00	
Hollins Hall.....	242 00	
Judgments and suits	319 14	
		7,728,545 86
Total.....		\$14,183,539 87

Expenditures.

Department of Inspector of Buildings.....	\$174,775	95
" " Street Cleaning.....	363,458	39
" " General Sup't of Lamps.....	400,652	33
Harbor Commission.....	76,133	03
Health Department.....	86,978	70
Fire Department.....	413,858	63
City Commissioner's Department.....	212,195	44
City Library.....	6,239	44
Superintendent of City Hall.....	25,351	93
Care of City and Circuit Courts.....	10,033	29
City Collector's Department.....	57,300	13
Commissioners for Opening Streets.....	7,301	23
Supervisors of Elections, salaries and ex- penses (not inc. registration and election).	9,539	14
Liquor License Commission.....	14,718	52
General expenditures (including elections)..	586,079	33
Public schools.....	1,238,505	63
Police Department.....	831,242	52
City poor.....	343,883	62
Certain expenses (courts, jail, registration)..	263,655	41
Interest on stock debt.....	1,380,240	97
Opening streets.....	99,099	61
Commissioners of Finance, for sinking funds (For items in detail, see Statement No. 3).	361,861	84
Temporary loans returned.....	4,415,000	00
Cleaning and repairs of markets	4,725	07
" " " public halls	182	30
Various squares.....	25,081	75
Judgments and suits	8,212	51
Refunded taxes	40,179	66
Direct tax (B. & O. scrip).....	2	50
Tax sales.....	989	78
Inspecting gas and oils.....	27	90
Montevue Hospital.....	156	00
Water Board expenses.....	831,364	25
Park Board, expenses of parks, etc.....	250,653	46
Patterson Park extension	408	63
Opening streets.....	52,315	77
Paving "	98,816	39
Building North avenue bridge (special)....	22,180	78
Improvement Harford Run	4,458	96
Fines remitted.....	219	50
Commissions and incidentals of Harbor Mas- ters.....	7,131	30
Advertising, permits for sheds, etc.....	688	66
Expenses in connection with Gay street rents	171	70
Expenses in connection with intestate es- tates.....	101	20
Expenses in connection with sale of city property	35	00
Free text books, account public schools....	41,171	27

Premium on sale of stock returned to Finance Commissioners	\$26,150 00	
Commissioners of Finance, sinking funds in arrears.....	89,758 14	
Water Board, water tax in arrears	3,267 30	
Advertising in establishing street grades....	82 11	
Account Electrical Subway Commission....	2,232 31	
Finance Commissioners, proceeds of sale of city property.....	1,385 00	
Ground rents, city property, not included in appropriations	542 83	
Transportation of poor, not included in appropriations.....	163 45	
Returned for overpayment on account of sewers	10 00	
		<hr/> \$12,890,970 56

Account of Five Million 1928 Loan.

Constructing sewers.....	\$1,878 42	
School-houses and lots.....	120 42	
		<hr/> 1,998 84

(For items in detail, see Statement No. 4).

Account of Six Million Loan.

Court-house and Record building.....	\$294,110 29	
Paving streets.....	85,965 45	
School-houses and lots	22,023 74	
Opening and widening streets	152,648 81	
Constructing sewers.....	192,369 62	
Building bridges....	35,524 90	
Conduits for underground wires	115,973 14	
		<hr/> 898,615 95

(For items in detail, see Statement No. 5).

Account of Four Million 1945 Loan.

Enlargement of water supply.....	12,779 57	
Total payments.....	\$13,804,364 92	
Balance charged to City Register	8379,174 95	

STATEMENT No. 2.

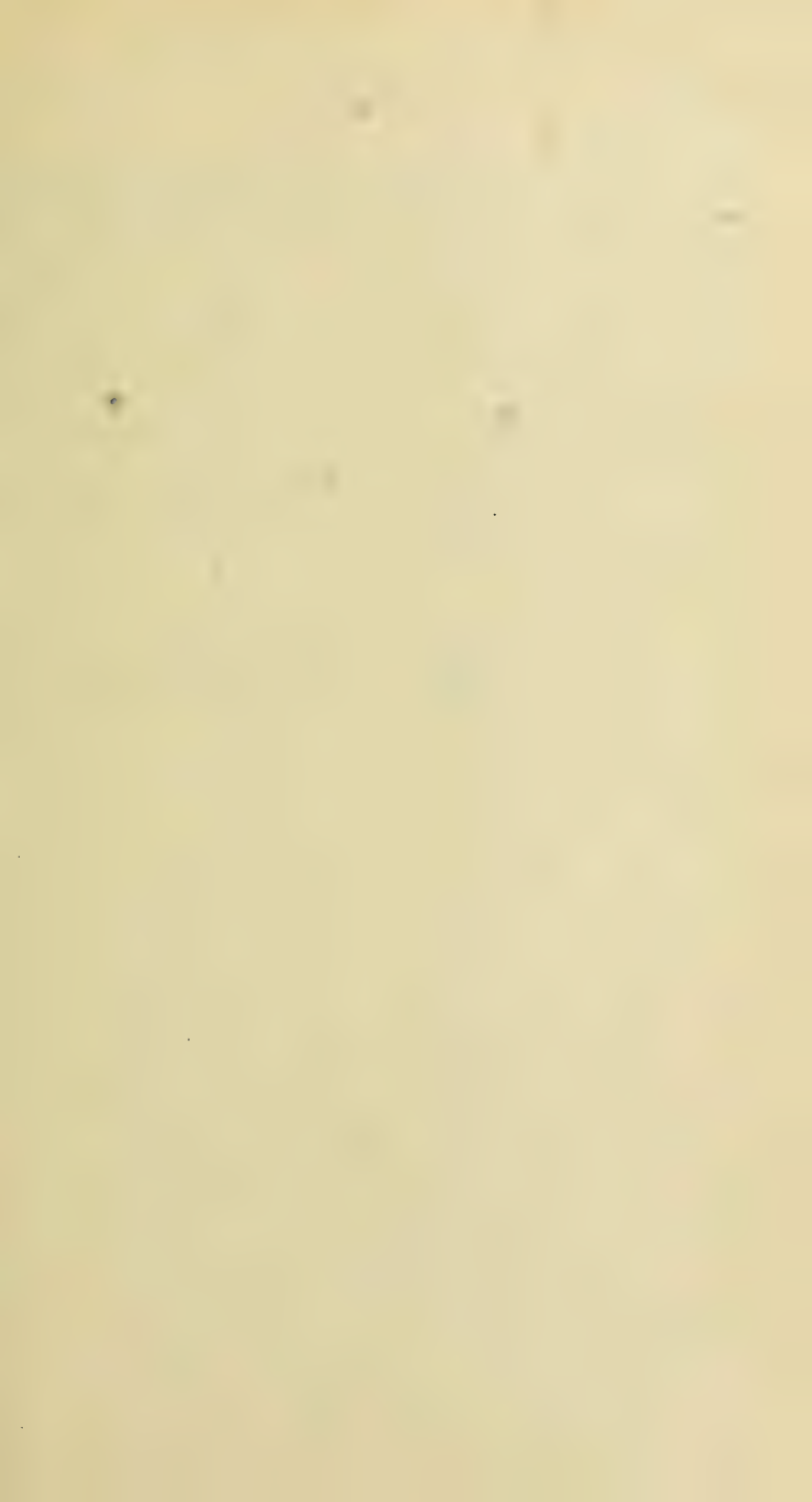
RECEIPTS FROM TAXATION AND OTHER SOURCES AS COMPARED WITH ESTIMATE OF
WAYS AND MEANS COMMITTEE.

	Estimate.	Received.	Balance, Dr.	Balance, Cr.
<i>Taxes for 1896:</i>				
Direct tax	\$1,446,641 00	\$1,394,996 01	\$51,644 99	.....
Public schools	815,775 00	786,651 86	29,123 14	.....
Police Department	587,358 00	566,388 37	20,969 63	.....
Interest on stock debt	587,358 00	566,388 36	20,969 64	.....
Certain expenses	195,786 00	188,796 47	6,989 53	.....
City poor	239,294 00	230,751 24	8,542 76	.....
Opening streets	103,331 50	99,642 57	3,688 93	.....
General Sinking Fund	179,470 50	173,065 49	6,405 01	.....
Water 1916 Loan Sinking Fund ...	43,508 00	41,954 74	1,553 26	.....
" 1926 " "	21,754 00	20,977 37	776 63	.....
" 1922 " "	10,877 00	10,488 67	388 33	.....
Internal Improvement 1928 Sinking Fund	65,262 00	62,932 16	2,329 84	.....
Public Improvement 1940 Sinking Fund	43,508 00	41,954 73	1,553 27	.....
Four Million 1945 Sinking Fund...	10,877 00	10,488 68	388 32	.....
	73 per cent.	70 $\frac{1}{10}$ per cent.		
Basis, \$298,000,000	4,350,800 00	4,195,476 72	155,323 28	.....
Totals				
<i>Taxes in Arrears:</i>				
Public schools	264,600 00	249,694 24	14,905 76	.....
Police Department	235,200 00	217,409 72	17,790 28	.....
City poor	100,800 00	91,770 63	9,029 37	.....
Certain expenses	67,200 00	63,114 02	4,085 98	.....
Interest on stock debt	252,000 00	227,031 02	24,968 98	.....

Opening streets.....	8,400 00	17,148 23	.....	8,748 23
Miscellaneous (direct).....	541,800 00	413,802 80	\$127,997 20	.....
Interest.....	.....	36,405 43	.....	36,405 43
Totals.....	1,470,000 00	1,316,376 09	153,623 91	.....
<i>Taxes in Annex:</i>				
(Including arrears and interest).....	120,000 00	196,954 94	.....	76,954 94
<i>Public Schools, Additional:</i>				
State of Maryland.....	219,000 00	209,176 14	5,961 41	.....
Tuition fees.....	.....	3,862 45	.....	.....
Totals.....	219,000 00	213,038 59	5,961 41	.....
<i>City Poor, Additional:</i>				
Bay View Asylum.....	1,500 00	1,541 83	.....	41 83
Fines.....	3,700 00	2,711 38	988 62	.....
Totals.....	5,200 00	4,253 21	988 62	41 83
<i>Certain Expenses, Additional:</i>				
City Jail.....	7,000 00	8,352 59	.....	1,352 59
Removed cases.....	1,000 00	2,523 55	.....	1,523 55
Totals.....	8,000 00	10,876 14	.....	2,876 14
<i>Interest on Stock Debt, Additional:</i>				
Water Board.....	310,000 00	155,000 00	155,000 00	.....
Commissioners of Finance.....	112,500 00	112,500 00	.....	.....
Western Maryland Railroad Company.....	82,740 00	82,740 00	.....	.....
Park Board.....	33,287 50	33,287 50	.....	.....
Totals.....	538,527 50	383,527 50	155,000 00	.....

STATEMENT No. 2—Concluded.

	Estimate.	Received.	Balance, Dr.	Balance, Cr.
Liquor licenses.....	\$411,000 00	\$400,181 53	\$10,818 47	.....
Sale of old material.....	600 00	42 23	557 77	.....
Sale of refuse.....	900 00	777 50	122 50	.....
Quarantine Hospital.....	5,000 00	11,957 46	.....	\$ 6,957 46
Permits for sheds, signs, etc.....	13,000 00	10,229 42	2,770 58	.....
City Commissioner.....	4,000 00	6,006 79	.....	2,006 79
General Superintendent of Launds.....	2,500 00	3,095 75	.....	595 75
Markets.....	45,000 00	58,752 38	.....	13,752 38
Wharfage.....	21,000 00	20,377 95	622 05	.....
General licenses.....	67,000 00	66,470 70	529 30	.....
Auction duties.....	7,000 00	8,334 92	.....	1,334 92
Telephone conduits.....	4,600 00	4,635 80	.....	35 80
Fire Department.....	600 00	556 19	43 81	.....
Dog Pound.....	400 00	404 92	.....	4 92
Turnpike dividends.....	400 00	521 20	.....	121 20
Western Maryland Railroad State Tax City Loans.....	1,981 57	1,963 14	18 43	.....
City Register State Tax (City Loans.....	6,200 00	6,142 11	57 89	.....
Totals.....	591,181 57	600,449 99	15,540 80	24,809 22
Grand totals.....	\$7,302,709 07	\$6,920,953 18	486,438 02	\$104,682 13
			\$381,755 89	



STATEMENT No. 3.
EXPENDITURES FOR VARIOUS PURPOSES AS COMPARED WITH APPROPRIATIONS.

	Appropriations 1896.	Expenditures 1896.	Balance, Dr.	Balance, Cr.
<i>Inspector of Buildings.</i>				
Repairs of city property.....	\$13,000 00	\$13,000 00		
“ “ school-houses.....	15,000 00	14,999 93		07
For sanitary and other improvements.....	3,000 00	2,997 97		03
Emptying cess-pools.....	800 00	784 75		15 25
Incidentals.....	200 00	199 99		01
Salaries.....	12,795 00	11,229 81		1,565 19
Special resolution 38-96.....	908 33	908 33		
Rental of auxiliary fire-alarm boxes.....	4,000 00			4,000 00
Building Western High School, balance.....	18,125 00	11,031 68		7,093 32
“ Colored Primary School No. 10, balance.....	3,323 42	3,170 96		152 46
“ Baltimore City College.....	60,000 00			60,000 00
“ Primary School No. 4.....	34,695 74	34,671 13		24 61
“ Colored School No. 9.....	34,985 00	9,750 03		25,234 97
“ Primary School No. 34, balance.....	17,140 25	17,103 86		36 39
“ Temporary Court-house, balance.....	1,593 82	1,584 03		9 79
“ Grammar and Primary School No. 18.....	45,000 00	10,946 95		34,053 05
“ Primary School No. 37.....	23,946 82	23,946 82		
“ Male and Female Colored School.....	20,000 00			20,000 00
“ “ “ No. 4.....	25,000 00	67 35		24,932 65
“ Colored School No. 8.....	30,000 00	20 30		29,979 70
“ Engine House No. 20, 21st Ward.....	15,000 00	13,591 96		1,408 04
“ Grammar School No. 7.....	30,000 00	11 00		29,989 00
	\$408,513 38	\$170,016 85		\$238,496 53

For Answer.

Salaries.....	\$ 860 00	\$ 760 00	\$ 100 00
Repairs of city property.....	4,000 00	3,999 10	90
	4,860 00	4,759 10	100 90
Totals.....	413,373 38	174,775 95	238,597 43

Department of Street Cleaning.

Garbage carts and men.....	140,400 00	139,509 79	890 21
Street " ".....	72,752 00	69,046 62	3,705 38
Sweepers and scrapers.....	85,000 00	86,570 10	1,570 10
Salaries.....	9,000 00	8,991 48	8 52
Sweeping machines and sprinklers, etc.....	15,000 00	19,055 48	4,055 48
Dumps.....	3,964 00	3,030 38	933 62
Contract for removal of garbage.....	9,400 00	9,400 00	5,625 58
			5,537 73
	335,516 00	335,603 85	87 85

For Answer.

Garbage carts and men.....	14,976 00	15,247 44	271 44
Street " ".....	5,616 00	4,993 50	622 50
Sweepers and scrapers.....	6,760 00	6,493 00	267 00
Salary of superintendent.....	1,000 00	1,000 00	
Tools.....	125 00	120 60	4 40
	28,477 00	27,854 54	271 44
			893 90
			271 44
			622 46
			6,431 63
			5,897 02
Totals.....	\$363,993 00	\$363,458 39	\$534 61

STATEMENT No. 3.—Continued.

	Appropriations 1896.	Expenditures 1896.	Balance, Dr.	Balance, Cr.
<i>General Superintendent of Lamps' Department.</i>				
Salaries	\$ 3,000 00	\$ 3,000 00	.....	.....
Gas	132,612 50	126,329 15	.....	\$6,283 35
Electric lights	167,000 00	163,187 11	.....	3,812 89
Gasoline	5,804 00	5,589 09	.....	214 91
Lamplighters' salaries	49,842 00	51,124 14	1,282 14	.....
				10,311 15
				1,282 14
				9,029 01
<i>For Anner.</i>				
	358,258 50	349,229 49	.....	.....
Gas	22,735 00	21,878 33	.....	856 67
Electric lights	5,690 00	2,804 22	.....	2,885 78
Gasoline	8,796 00	8,648 28	.....	147 72
Lamplighters' salaries	15,080 00	18,092 01	3,012 01	.....
				3,890 17
				3,012 01
				878 16
	52,301 00	51,422 84	.....	.....
			
Totals	\$ 410,559 50	\$ 400,652 33	.....	\$ 9,907 17

Harbor Commission.

Salaries of chief engineer and clerk.....	5,000 00	5,000 00
Dredging harbor.....	30,300 00	30,300 00
“ Jones Falls.....	10,000 00	10,000 00
Maintenance and repairs of ice-boats.....	20,000 00	19,998 37
Repairs of wharves.....	1,500 00	1,500 00
New bulkhead at City Dock.....	6,000 00	6,000 00
Removal of ashes from tow-boats.....	1,200 00	1,200 00
“ “ filth from docks.....	2,200 00	2,134 66
Totals.....	76,200 00	76,133 03

66 97

Health Department.

Salaries.....	39,458 32	39,243 43	214 89
General health.....	13,000 00	16,803 38	
Nuisances for 1895.....	63 63	63 63	
Post-mortems.....	1,500 00	1,500 00	
Quarantine Hospital.....	17,000 00	20,520 89	
Removal of refuse from canning-houses.....	5,000 00	5,000 00	
		7,324 27	
		214 89	

7,109 38

For Annex.

Salaries.....	3,800 00	3,119 87	680 13
Nuisances for 1895.....	727 50	727 50	
	4,527 50	3,847 37	
Totals.....	\$80,549 45	\$86,978 70	

\$6,429 25

STATEMENT No. 3.—Continued.

	Appropriations 1896.	Expenditures 1896.	Balance, Dr.	Balance, Cr.
<i>Fire Department.</i>				
Salaries.....	\$275,800 00	\$275,800 00		
Expenses.....	92,591 43	92,591 43		
Fire-alarm box. Resolution No. 29.....	175 00	175 00		
<i>For Annex.</i>				
Salaries.....	368,566 43	368,566 43		
Expenses.....	32,700 00	32,700 00		
“ deficiency of 1895.....	12,003 80	12,003 80		
	588 40	588 40		
Totals.....	45,292 20	45,292 20		
	413,858 63	413,858 63		
<i>City Commissioner's Department.</i>				
Repairs of sewers.....	5,000 00	4,448 34		551 66
“ “ bridges.....	7,500 00	7,487 39		12 61
“ “ paved streets.....	*1,000 00			
“ “ unpaved “.....	30,000 00	31,568 71	568 71	
“ “ Gilmor lane.....	1,500 00	1,500 00		
Paving in front of city property.....	407 50	407 50		
“ and repaving cross streets.....	500 00	275 97		224 03
“ inter. Harford ave., Central ave. and Oliver st.	29,873 01	25,383 72		4,489 29
Livery.....	450 78	450 78		
Light street bridge.....	660 00	654 32		5 68
Rental of storage lots.....	5,000 00	4,282 22		717 78
	800 00	252 05		547 95

*From Mayoralty.

Flag-stones,.....	2,000 00	1,956 17	.....	43 83
Incidentals.....	200 00	200 00	.....	.....
Advertising.....	200 00	193 09	.....	6 91
Salaries.....	32,950 00	26,326 12	.....	6,623 88
Frederick road foot bridge, Ordinance No. 8.....	300 00	212 59	.....	87 41
Repaving York street, Ordinance No. 12.....	5,500 00	5,260 83	.....	239 17
Paving Patapsco street, Ordinance No. 47.....	12,000 00	9,704 87	.....	2,295 13
“ old Frederick road.....	592 75	592 75	.....	.....
“ Luzerne street, Ordinance No. 48.....	8,000 00	4,716 11	.....	3,283 89
“ Garrison Forrest lane.....	1,673 31	1,673 31	.....	.....
“ Mt. Royal avenue, Ordinance No. 62.....	40,000 00	32,123 42	.....	7,876 58
“ Fulton avenue, Ordinance No. 59.....	30,000 00	28,335 95	.....	1,664 05
“ McCulloh street, Ordinance No. 60.....	15,000 00	11,536 98	.....	3,463 02
“ Canton avenue.....	781 36	781 36	.....	.....
Macadamizing Augusta avenue.....	1,500 00	70 10	.....	1,429 90
			568 71	33,562 77
				568 71
	233,388 71	200,394 65		32,994 06
	10,628 12	10,573 86	.....	54 26
	2,000 00	1,028 61	.....	971 39
	198 32	198 32	.....	.....
	12,826 44	11,800 79	.....	1,025 65
Totals.....	246,215 15	212,195 44	.....	34,019 71
	2,400 00	2,400 00	.....	.....
	5,000 00	3,839 44	.....	1,160 56
Totals.....	\$7,400 00	\$6,239 44	.....	\$1,160 56

For Annex.

Repairs of roads, streets, bridges, etc.

Salaries.....

Falls road repairs.....

Totals.....

City Library.

Salary.....

Expenses.....

Totals.....

STATEMENT No. 3.—Continued.

	Appropriations 1896.	Expenditures, 1896.	Balance, Dr.	Balance, Cr.
<i>Superintendent of City Hall.</i>				
Salary.....	\$15,891 00	\$15,871 86	.....	\$ 19 14
Expenses.....	8,000 00	7,969 78	.....	30 22
Care of Zion School building.....	2,180 00	1,510 29	.....	669 71
Totals.....	26,071 00	25,351 93	.....	719 07
<i>Care of City and Circuit Courts.</i>				
Expenses.....	7,000 00	5,746 07	.....	1,253 93
Salaries.....	4,300 00	4,287 22	.....	12 78
Totals.....	11,300 00	10,033 29	.....	1,266 71
<i>City Collector's Department.</i>				
Salaries.....	55,400 00	54,688 67	.....	711 33
Expenses.....	3,000 00	2,121 52	.....	878 48
„ of Appeal Tax Court.....	500 00	489 94	.....	10 06
Totals.....	58,900 00	57,300 13	.....	1,599 87
<i>Commissioners for Opening Streets.</i>				
Salaries.....	7,200 00	7,200 00	.....	.....
Expenses.....	200 00	101 23	.....	98 77
Totals.....	\$7,400 00	\$7,301 23	.....	\$98 77

<i>Supervisors of Election.</i>					
Salaries.....	\$9,800 00	\$8,512 75	.....	\$1,287 25	
Expenses.....	4,200 00	1,026 39	.....	3,173 61	
Totals.....	14,000 00	9,539 14	.....	4,460 86	
<i>Liquor License Commission.</i>					
Salaries.....	9,600 00	10,209 89	609 89	.....	.....
Expenses.....	5,400 00	4,508 63	.....	891 37	
Totals.....	15,000 00	14,718 52	.....	609 89	
				281 48	
<i>General Expenditures.</i>					
Diary of City Council.....	60,000 00	59,130 24	.....	869 76	
General expense.....	1,500 00	1,498 85	.....	1 15	
Mayoralty (Originally \$2,000—\$1,000 transferred to repairs of paved streets).....	1,000 00	867 99	.....	132 01	
Salaries not otherwise provided for.....	51,720 00	50,990 47	.....	729 53	
Public printing.....	8,000 00	6,039 70	.....	1,960 30	
Discount on taxes and interest on loans.....	110,000 00	174,397 11	64,397 11	.....	.....
Transportation to House of Correction.....	250 00	242 60	.....	7 40	
Ground rents on city property.....	46,000 00	46,202 77	202 77	.....	.....
Enoch Pratt Free Library Sinking Fund.....	497 50	497 50	.....	.....	.....
“ “ “ 1895 Fund.....	261 11	261 11	.....	.....	.....
Elections.....	31,000 00	23,799 85	.....	7,200 15	
Dog Pound.....	1,000 00	986 25	.....	13 75	
Maryland Institute.....	9,000 00	9,000 00	.....	.....	.....
Ringling Mechanics' bells.....	200 00	200 00	.....	.....	.....
General licenses.....	1,000 00	713 24	.....	.....	.....
Sprinkling Mt. Royal avenue.....	900 00	.....	.....	286 76	
Assistance to Examiner of Titles.....	800 00	800 00	.....	900 00	

STATEMENT No. 3.—Continued.

	Appropriations 1896.	Expenditure 1896.	Balance, Dr.	Balance, Cr.
State tax on city loans.	\$43,000 00	\$43,224 17	\$ 224 17	.....
Topographical Survey.	25,000 00	16,345 84	.....	\$ 8,654 16
Sewerage Commission.	17,129 94	11,354 81	.....	3,775 13
Hose for various markets.	700 00	218 00	.....	482 00
Veteran Volunteer Firemen's Association.	500 00	500 00	.....	.....
Pension account of W. H. War.	260 00	260 00	.....	.....
Electrical Commission.	1,830 12	1,830 12	.....	.....
Insurance on city property.	6,607 50	3,873 00	.....	2,734 50
" Western High School.	750 00	750 00	.....	.....
In favor of Cochran-Oler Ice Co., Resolution No. 6.	28 00	28 00	.....	.....
" William P. Twauley, " 7.	400 00	400 00	.....	.....
Refund on paving Fairmount ave., " 9.	305 14	305 14	.....	.....
Election deficiency, Resolution No. 23.	5,257 60	5,257 60	.....	.....
Water for fire-plugs at Carroll.	250 00	250 00	.....	.....
Special appropriation, Resolution No. 17.	24 40	24 40	.....	.....
In favor of John M. Parr, Resolution No. 28.	500 00	500 00	.....	.....
In favor of Fielding Skipper, Resolution No. 29.	400 00	400 00	.....	.....
New assessment of property.	75,000 00	74,998 37	.....	1 63
Transportation of Chicago School Exhibit.	100 00	41 54	.....	58 46
Entertaining First Defenders, Resolution No. 36.	500 00	500 00	.....	.....
Fourth Regiment, M. N. G., Resolution No. 40.	3,000 00	3,000 00	.....	.....
In favor of Mary Talbot, Resolution No. 46.	400 00	400 00	.....	.....
Ordinances and resolutions. (For details see supplement).	77,000 00	45,915 66	.....	31,084 34
" Winding Maryland Institute clock.	75 00	75 00	.....	.....
Totals.	\$582,146 31	\$586,079 33	64,824 05 60,891 03	\$60,891 03
			\$3,933 02	.....

Public Schools.

Salaries	870,175 00	863,412 35	.....	6,762 65
Expenses	149,825 00	139,453 55	.....	10,371 45
Night schools	7,000 00	5,946 10	.....	1,053 90
Polytechnic Institute	35,116 00	33,356 80	.....	1,759 20
Colored Manual Training School	7,750 00	7,771 82	21 82	.....
Flags on school-houses	999 37	965 53	.....	33 84
Purchase of Crook lot, Ordinance No. 1	40,000 00	40,000 00	.....	.....
Purchase an addition of No. 4 School, Ordinance No. 3	10,000 00	4,000 00	.....	6,000 00
Purchase of lot for colored school, Ordinance No. 10	8,000 00	.....	.....	8,000 00
Purchase of lot for colored school, Ordinance No. 44	10,000 00	10,000 00	21 82	33,981 04
			.....	21 82
	1,138,865 37	1,104,906 15	.....	33,959 22

For Annex.

Salaries	115,775 00	112,902 25	.....	2,872 75
Expenses	27,500 00	20,697 23	.....	6,802 77
Totals	143,275 00	133,599 48	.....	9,675 52
	1,282,140 37	1,238,505 63	.....	43,634 74

Police Department.

Salaries	790,500 00	791,447 10	947 10	.....
Expenses	26,000 00	39,795 42	13,795 42	.....
Totals	\$816,500 00	\$831,242 52	\$14,742 52	.....

STATEMENT No. 3.—Continued.

	Appropriations 1896.	Expenditures 1896.	Balance, Dr.	Balance, Cr.
<i>City Poor.</i>				
Maintenance of Bay View Asylum.....	\$100,000 00	\$99,984 32	.....	\$ 15 68
Transportation of poor to homes.....	800 00	800 00	.....	.....
Friendly Inn.....	1,000 00	1,000 00	.....	.....
St. Mary's Industrial School.....	20,000 00	20,000 00	.....	.....
Maryland Hospital for Insane.....	30,000 00	30,000 00	.....	.....
Mt. Hope Retreat.....	33,000 00	33,000 00	.....	.....
House of Refuge.....	20,000 00	20,000 00	.....	.....
" " heating apparatus.....	5,000 00	5,000 00	.....	.....
" " Manual Training School.....	3,000 00	3,000 00	.....	.....
House of Reformation.....	12,000 00	12,000 00	.....	.....
College of Physicians and Surgeons' Hospital.....	16,900 00	16,900 00	.....	.....
University of Maryland.....	10,140 00	9,546 63	.....	593 37
St. Vincent's Infant Asylum.....	6,000 00	6,000 00	.....	.....
St. Elizabeth's Colored Orphan Asylum.....	3,500 00	3,500 00	.....	.....
Nursery and Child's Hospital.....	3,700 00	3,700 00	.....	.....
Home of the Friendless.....	2,100 00	2,100 00	.....	.....
Industrial Home for Colored Girls.....	2,700 00	2,700 00	.....	.....
Female House of Refuge.....	2,700 00	2,700 00	.....	.....
Maryland Homeopathic Hospital.....	3,380 00	3,380 00	.....	.....
Hospital of the Good Samaritan.....	3,380 00	3,372 06	.....	7 94
Deaf and dumb at Frederick.....	500 00	450 39	.....	49 61
Shelter for the Aged Colored Poor.....	1,000 00	1,000 00	.....	.....
Boys' Home Society.....	3,000 00	3,000 00	.....	.....
St. Mary's Home for Colored Boys.....	500 00	500 00	.....	.....

St. Mary's Female Orphan Asylum.....	9,000 00	9,000 00	.....	.....	.....
Baltimore University Hospital.....	6,760 00	5,726 87	.....	.....	1,033 13
Maryland General Hospital.....	9,295 00	8,799 11	.....	.....	495 89
The Simmons Home.....	800 00	800 00	.....	.....	.....
St. Joseph's Hospital.....	5,070 00	5,070 00	.....	.....	.....
St. Agnes' Hospital.....	5,070 00	5,055 11	.....	.....	14 89
St. Joseph's House of Industry.....	1,600 00	1,600 00	.....	.....	.....
Baltimore Manual Labor School.....	1,500 00	1,500 00	.....	.....	.....
St. Vincent's de Paul Orphan Asylum.....	1,600 00	1,600 00	.....	.....	.....
House of the Good Shepherd for Colored Girls.....	2,000 00	2,000 00	.....	.....	.....
Provident Hospital.....	2,500 00	999 13	.....	.....	1,500 87
General German Orphan Asylum.....	1,000 00	1,000 00	.....	.....	.....
Hebrew Hospital and Asylum Association.....	1,500 00	1,500 00	.....	.....	.....
Dental Dispensary University of Maryland.....	500 00	500 00	.....	.....	.....
Southern Homeopathic Free Dispensary.....	800 00	800 00	.....	.....	.....
Northeastern Free Dispensary.....	1,200 00	1,200 00	.....	.....	.....
Eastern Free Dispensary.....	1,800 00	1,800 00	.....	.....	.....
Baltimore General Free Dispensary.....	1,800 00	1,800 00	.....	.....	.....
“ Medical College Free Dispensary.....	1,200 00	1,200 00	.....	.....	.....
Maryland Homeopathic Free Dispensary.....	800 00	800 00	.....	.....	.....
College of Physicians and Surgeons' Free Dispensary.....	1,500 00	1,500 00	.....	.....	.....
Woman's and Child's Hospital Free Dispensary.....	500 00	500 00	.....	.....	.....
Baltimore University Hospital Free Dispensary.....	1,000 00	1,000 00	.....	.....	.....
University of Maryland Free Dispensary.....	1,000 00	1,000 00	.....	.....	.....
Baltimore College of Dental Surgery Free Dispensary.....	500 00	500 00	.....	.....	.....
Southern Free Dispensary.....	1,000 00	1,000 00	.....	.....	.....
Provident Hospital Free Dispensary.....	500 00	500 00	.....	.....	.....
Baltimore Eye, Ear and Throat Charity Hospital Free Dispensary.....	800 00	800 00	.....	.....	.....
Evening Dispensary for Working Girls.....	500 00	500 00	.....	.....	.....
.....	700 00	700 00	.....	.....	.....
Totals.....	\$347,595 00	\$343,883 62	.....	.....	\$3,711 38

STATEMENT No. 3.—Continued.

	Appropriations 1896.	Expenditures 1896.	Balance, Dr.	Balance, Cr.
<i>Certain Expenses.</i>				
Baltimore City Court.....	\$13,000 00	\$14,987 51	\$1,987 51	.....
Criminal Court.....	65,000 00	69,794 29	4,794 29	.....
Court of Common Pleas.....	14,000 00	13,246 41	.....	\$ 753 59
Superior Court.....	15,000 00	15,249 95	249 95	.....
Circuit Court.....	4,500 00	4,202 80	.....	297 20
Circuit Court No. 2.....	2,500 00	2,572 90	72 90	.....
Orphans' Court.....	8,000 00	6,666 00	.....	1,334 00
Supreme Bench.....	3,600 00	3,595 00	.....	5 00
Judge at Large.....	3,500 00	3,000 00	.....	500 00
Coroners.....	7,000 00	6,958 35	.....	41 65
City Jail.....	52,000 00	50,620 39	.....	1,379 61
Registration.....	55,000 00	51,887 39	.....	3,112 61
Magistrates' salaries.....	17,500 00	17,088 34	.....	411 66
Registration, deficiency, Resolution No. 23.....	3,786 08	3,786 08	7,104 65	7,835 32
Totals.....	264,386 08	263,655 41	.....	7,104 65
<i>Interest on Stock Debt.</i>				
One year's interest on the funded and guaranteed debt.....	\$1,380,241 00	\$1,380,240 97	.....	\$ 03

Opening Streets.

Patapsco alley from Port ave. to Ostend st., balance...	715 14			715 14
Race street from Port ave. to Cross street, balance....	946 60			946 60
Burke street from Baltimore street to Monument street, balance.....	231 00	159 54		71 46
Cooksie street from Clement street to Cuba street, balance.....	75 00			75 00
Etting from Baker street to North avenue.....	171 34	122 57		48 77
Bouldin alley from Bloom to Baker street, balance....	112 33			112 33
Forrest from Douglass to Payette street.....	18,485 74	18,177 82		307 92
Madison street from Patterson Park avenue to Gross street.....	8,462 21	7,571 89		890 32
Dallas street from Oliver to Lanvale.....	2,369 34	1,985 91		383 43
Ten-foot alley from McKim to Hillman street.....	112 70	22 79		89 91
Hollins street from old city limits to Catherine street..	38,894 85	36,085 40		2,809 45
Hollins street from old city limits to Calverton road..	554 35	475 33		79 02
Seventh street from Northwest street to Morris avenue.	5,021 71	5,021 71		
Northwest street from Seventh to Ninth.....	158 64	158 64		
Elgin avenue from Seventh to Ninth street.....	2,966 05	2,966 05		
Myrtle avenue from Ninth to Slingluff avenue.....	7,436 96	7,436 96		
Clifton avenue from Ninth to Fourth street.....	9,605 29	9,605 29		
Barnum avenue from Charles to Maryland avenue....	136 33			136 33
Holmes or Tenth street from Charles to Maryland ave.	5,190 51			5,190 51
Windsor avenue from Fourth to Ninth street.....	5,518 97	5,518 97		
Eighth from Northwest street to Eighth avenue.....	3,790 74	3,790 74		
Totals.....	\$110,955 80	\$99,099 61		\$11,856 19

STATEMENT No. 3.—Concluded.

	Appropriations 1896.	Expenditures 1896.	Balance, Dr.	Balance, Cr.
<i>Sinking Funds.</i>				
For general.....	\$179,470 50	\$173,065 49	.....	\$ 6,405 01
“ Water 1916 Loan.....	43,508 00	41,954 74	.....	1,553 26
“ “ 1926 “.....	21,754 00	20,977 37	.....	776 63
“ “ 1922 “.....	10,877 00	10,488 67	.....	388 33
Internal Improvement 1928 Loan.....	65,262 00	62,932 16	.....	2,329 84
Public Improvement 1940 Loan.....	43,508 00	41,954 73	.....	1,553 27
Four Million 1945 Loan.....	10,877 00	10,488 68	.....	388 32
Totals.....	375,256 50	361,861 84	.....	13,394 66
(The few over-expenditures in this account were necessities, and duly authorized).				
Grand totals.....	7,304,041 17	6,963,105 08	25,104 79	366,040 88
			.....	25,104 79
			.....	340,936 09

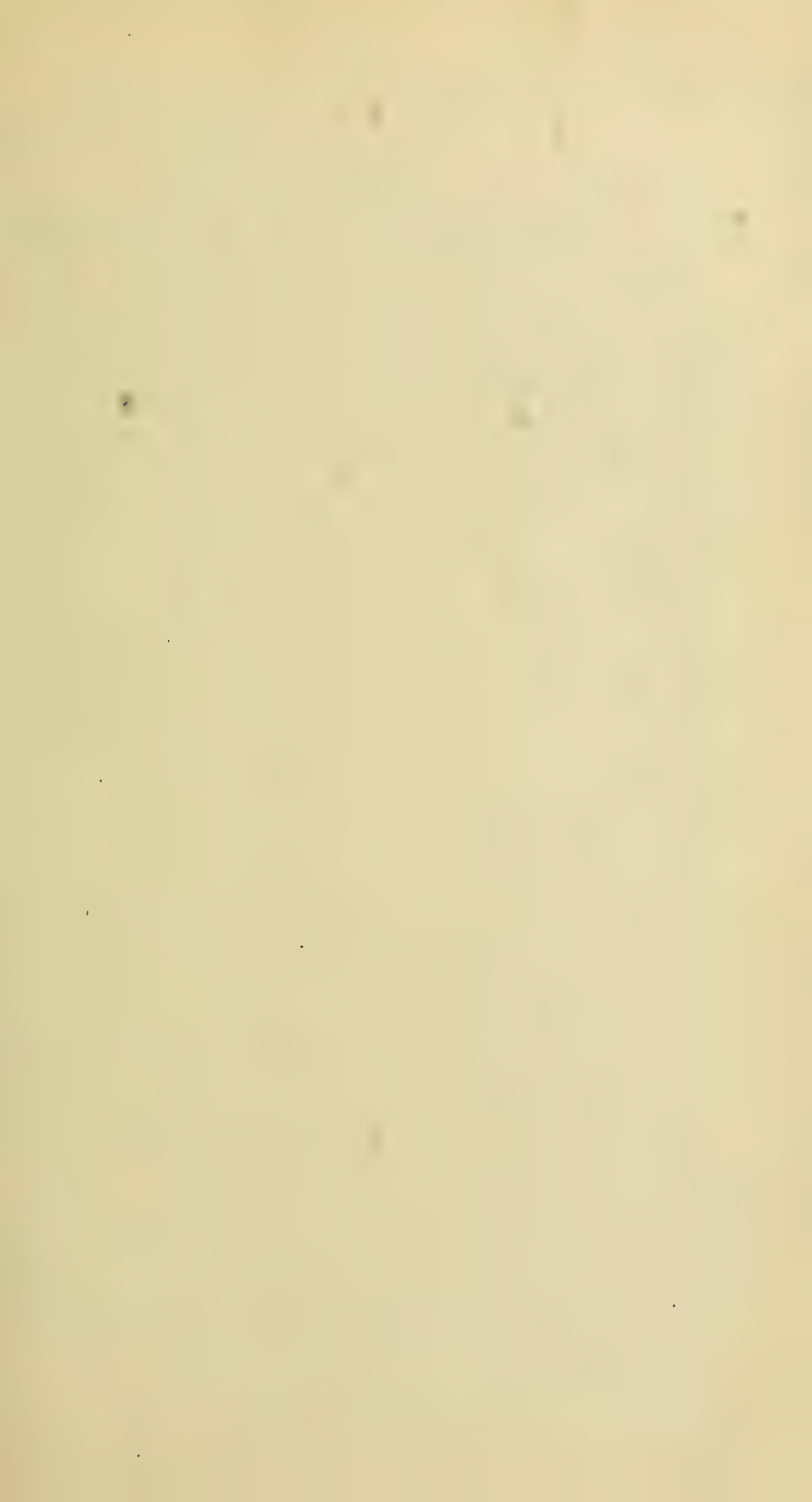
SUPPLEMENTAL STATEMENT.

Ordinances and Resolutions.

Jos. Friedenwald	116 25	116 25	.....	.....
First Maryland Naval Battalion.....	2,500 00	2,500 00	.....	.....
Crook, Horner & Co.....	3,634 00	3,634 00	.....	.....
John Erck.....	250 00	250 00	.....	.....
Repair of roads, streets, Annex.....	493 26	493 26	.....	.....
Light street bridge.....	309 51	309 51	.....	.....
Repairs of sewers.....	1 00	1 00	.....	.....
“ paved streets.....	114 67	114 67	.....	.....
A. A. Lehman.....	72 50	72 50	.....	.....
Christian Spuck	351 00	351 00	.....	.....
Cochran-Oler Ice Co.....	28 35	28 35	.....	.....
St. Martin's Roman Catholic Church.....	70 00	70 00	.....	.....
Lot for colored school.....	10,000 00	10,000 00	.....	.....
Repairs of Fifth Regiment Armory.....	2,500 00	2,487 00	.....	13 00
Electrical Subway Commission.....	21,145 87	13,268 74	.....	7,877 13
Annex School No. 3.....	40,000 00	8,168 30	.....	31,831 70
Hose for Fells' Point Market.....	100 00	48 00	.....	52 00
Lot for Colored School No. 3.....	2,000 00	.....	.....	2,000 00
Placing books City Library.....	100 00	.....	.....	100 00
Entertaining Ancient and Honorable Artillery.....	800 00	800 00	.....	.....
Thos. W. Morse, Register of Wills.....	375 00	375 00	.....	.....
Judge at Large, case and books.....	33 75	33 75	.....	.....
Fire Department, special.....	2,756 00	2,756 00	.....	.....
Board walk Pulaski street	38 33	38 33	.....	.....
Less over appropriation	87,789 49	.....	.....	41,873 83
.....	10,789 49	.....	.....	10,789 49
Total.....	\$77,000 00	\$45,915 66	.....	\$31,084 34

	Authorized Appropriations.	Actual Appropriations.	Amount Expended in 1889.	Amount Expended in 1890.	Amount Expended in 1891.	Amount Expended in 1892.	Amount Expended in 1893.	Amount Expended in 1894.	Amount Expended in 1895.	Amount Expended in 1896.	Total Expenditures.	Receipts.	Balance, Dr.	Balance, Cr.
Opening of Douglass street.....	\$ 400,000 00	\$ 400,000 00		\$158,217 97	\$336,777 15						\$ 373,473 46	\$121,521 66		\$26,526 54
Widening Fayette street.....	550,000 00	550,000 00	\$ 681 51	100 90	4,514 15	\$729,293 67	\$148,686 18	\$ 47 30			555,124 59	328,199 12	\$5,124 59	
Widening East Baltimore street.....	250,000 00	250,000 00	658 69	1,566 45	200,988 10	23,504 18	26 00				168,220 33	58,523 09		81,779 67
Constructing Sewers.....	1,750,000 00	1,748,061 64	138,972 93	303,328 55	443,979 64	387,965 44	306,901 15	114,604 96	\$4,563 40	\$21,878 42	1,722,194 49			25,867 15
Preston street sewer.....		76,780 51	21,585 95	52,881 15	1,206 16		1,107 25				76,780 51			
Mount Royal avenue sewer.....		10,223 74	10,223 74								10,223 74			
Fulton avenue sewer.....		23,000 00	17,063 04	1,691 10	41 04					304 43	19,099 61			3,900 39
Ensor street sewer.....		4,982 98	4,982 98								4,982 98			
Lovegrove alley sewer.....		20,997 33			20,299 91	697 42					20,997 33			
Wolfe street sewer and Boston street bridge.....		69,157 50	5,776 25	49,570 18	3,888 52	9,922 55					69,157 50			
Presbury street sewer.....		32,998 00	16,680 59	3,782 71		130 57	10,026 19	2,083 42	162 71	131 81	32,998 00			
Low street sewer.....		4,929 54	4,854 58	74 96							4,929 54			
Jenkins run sewer.....		88,250 00	3,676 77	32,895 24	46,248 11	5,228 94					88,049 06			200 94
Eager street sewer.....		49,785 85	5,958 59	35,313 86	8,467 02	46 38					49,785 85			
Eutaw and Fremont street sewer.....		163,700 00	9,418 99	67,426 29	60,289 68	7,512 93	12,089 79	6,704 10	258 22		163,700 00			
Pulaski street sewer.....		41,500 00	2,580 61	31,853 87	659 98	3,528 37	1,324 96	294 67	701 48		40,943 94			556 06
Eden street sewer.....		57,690 62			26,087 46	30,539 67	1,063 49				57,690 62			
Bush street sewer.....		214,130 87			5,698 00	39,689 46	124,927 37	39,085 17	3,370 93	1,359 94	214,130 87			
Carey street relief sewer.....		274,745 49		7,222 40	121,339 18	101,163 41	44,404 98	533 28		82 24	274,745 49			
Patapsco street sewer.....		2,979 65	2,979 65								2,979 65			
Patterson Park sewer.....		35,000 00	33,191 19	237 66							33,428 85			1,571 15
Cross street sewer.....		100,195 33		4,339 82	76,017 96	19,837 55					100,195 33			
Dolphin street sewer.....		11,930 52		11,930 52							11,930 52			
Howard street sewer.....		15,998 80		4,108 79	11,890 01						15,998 80			
Read street sewer.....		37,931 72			11,751 88	24,747 30	1,432 54				37,931 72			
McHenry street sewer.....		17,700 00												17,700 00
Ann and Gay street sewer.....		11,000 00			9,766 83	227 81	58 50				10,653 14			946 86
Druid Hill avenue sewer.....		210,000 00			10,691 51	54,569 32	78,032 72	64,795 31	1,911 14		210,000 00			
Fulton avenue and Eagle street sewer.....		48,926 12			4,427 63	44,428 66	69 83				48,926 12			
Pulaski and Franklin street sewer.....		48,000 00			24,005 30	22,981 28	21 67				47,008 25			991 75
Penn street sewer.....		55,800 58				16,275 89	26,182 30	13,272 33	70 06		55,800 58			
Hoffman street sewer.....		12,597 49				6,437 93	6,159 56				12,597 49			
Inlets, Fulton avenue and Monroe street.....		3,942 19						3,942 19			3,942 19			
Inlets, Wolfe street sewer.....		1,203 46			1,203 46						1,203 46			
Inlets, Franklin street and Woodyear alley.....		1,983 35						1,983 35			1,983 35			
School-Houses and Lots.....	400,000 00	397,486 53	109,164 28	241,511 85	18,810 40			7,213 00	20,676 58	120 42	397,486 53			
Lot adjoining Eastern Female High School.....		15,642 26	15,642 26								15,642 26			
Lot and building Grammar School No. 20.....		32,882 70	8,216 07	24,666 63							32,882 70			
Lot and building Annex School No. 4.....		25,989 60	5,471 75	20,517 85							25,989 60			
Lot and building Primary School No. 32.....		32,803 15	11,803 15	21,000 00							32,803 15			
Lot and building Primary School No. 33.....		30,953 80		30,953 80							30,953 80			
Lot and building Primary School No. 24.....		28,500 00	12,222 65	16,277 35							28,500 00			
Lot and building Annex School No. 3.....		24,508 75		24,466 22	42 53						24,508 75			
Lot and Building Primary School No. 31.....		22,949 92	2,504 00	20,445 92							22,949 92			
Lot and building English and German School No. 5.....		39,644 85	15,255 08	24,389 77							39,644 85			
Lot and building Colored Primary School No. 10.....		28,000 00						7,203 00	20,676 58	120 42	28,000 00			
Lot and building Annex School No. 13.....		30,000 00		18,676 94	11,323 06						30,000 00			
Lot, Colored School No. 3.....		7,357 74			7,357 74						7,357 74			
Building addition to Primary School No. 11.....		11,253 76	11,253 76								11,253 76			
Building Primary School No. 13.....		21,000 00	7,903 13	13,099 80	87 07						21,000 00			
Building Grammar School No. 8.....		21,000 00	6,661 75	14,338 25							21,000 00			
Building Manual Training School.....		25,000 00	12,230 68	12,769 32							25,000 00			
Repaving Streets.....	1,000,000 00	998,993 43	23,391 11	48,673 16	57,787 23	588,248 41	228,602 26	36,370 60	14,509 61		997,582 38			1,411 05
Cathedral street.....		65,491 50	23,391 11	38,049 13	4,051 26						65,491 50			
Monument street.....		4,464 58		4,464 58							4,464 58			
Dolphin street.....		5,656 23		5,051 28		604 95					5,656 23			
Streets around Hanover Market.....		11,837 30		225 92	10,484 66		1,126 72				11,837 30			
Streets around Lafayette Market.....		15,500 00		882 25	13,041 15	1,576 60					15,500 00			
Streets around Southern Police Station.....		2,613 47		2,354 46			259 01				2,613 47			
Streets around Richmond Market.....		10,397 62		8,766 88		788 00		842 74			10,397 62			
Hollins street.....		12,514 47			11,233 87		1,280 60				12,514 47			
Camden street.....		4,676 88			4,208 29		468 59				4,676 88			
Sharp street.....		4,062 06			3,646 66		415 40				4,062 06			
Mulberry street.....		14,375 48				12,977 05	88 56	1,309 87			14,375 48			
Broadway.....		204,582 43				182,540 35	2,316 27	19,725 81			204,582 43			
Lafayette avenue.....		90,606 38				81,501 44		9,104 94			90,606 38			
West Lexington street.....		95,223 33				64,781 12	21,384 12		9,058 09		95,223 33			
Eutaw street.....		33,035 42				86 00	29,763 58		3,185 84		33,035 42			
Pennsylvania avenue.....		127,904 81				69,812 76	58,092 05				127,904 81			
Columbia avenue.....		99,436 04				87,471 36	11,964 68				99,436 04			
Calvert street.....		36,087 88				23,961 91	9,755 59	2,370 38			36,087 88			
Fayette and Lexington streets.....		7,718 24				3,627 26	3,475 32		615 66		7,718 24			
Chase street.....		11,635 02				10,585 34		1,049 68			11,635 02			
Arlington avenue and other streets.....		19,060 06				17,092 88		1,967 18			19,060 06			
South street.....		2,500 07				2,500 07					2,500 07			
Hanover street.....		74,180 22				10,658 75	63,521 47				74,180 22			
East Baltimore street.....		8,000 00				2,995 17	3,593 78				6,588 95			1,411 05
East Lexington street.....		37,433 94				14,687 40	21,096 52		1,650 02		37,433 94			
Improving Patterson Park.....	200,000 00	200,000 00	14,252 46	54,593 11	70,015 09	54,291 87	6,847 47				200,000 00			
Purchasing Park southwest Baltimore (Carroll).....	50,000 00	50,000 00		44,500 00	5,500 00						50,000 00			
Building Bridges.....	250,000 00	259,177 96	14,022 63	153,530 22	89,427 70	2,197 41					259,177 96			
Light street bridge.....		160,016 94	7,375 22	94,012 34	56,431 97	2,197 41					160,016 94			
Cedar avenue bridge.....		59,964 91	682 07	59,282 84							59,964 91			
Wilkins avenue bridge.....		5,965 34	5,965 34								5,965 34			
Russell street bridge.....		4,991 43		63 94	4,927 49						4,991 43			
Monroe street bridge.....		28,239 34		171 10	28,068 24						28,239 34			
Building addition to Court-house.....	*150,000 00													
•Not available.....	5,000,000 00													
	150,000 00													
	4,850,000 00	4,833,719 56	301,143 61	1,006,022 21	1,227,799 46	1,785,500 98	691,063 06	176,314 72	41,660 73	1,998 84	4,723,259 74	508,243 87	5,124 59	135,584 41





No. 5.—STATEMENT OF SIX MILLION

	Authorized Appropriation.	Actual Appropriation.	Amount Expended in 1893.	Amount Expended in 1894.
Court-house and Record Building	\$1,750,000 00	\$1,750,000 00	\$158,182 69	\$199,618 11
Topographical Survey ...	125,000 00	125,000 00	40,419 71	63,555 31
Paving Streets, totals	1,600,000 00	1,600,000 00	622,503 24	781,221 00
Frederick avenue		76,489 25	75,541 05	948 20
Gay street		95,061 12	731 08	93,536 63
Light street		91,843 23	11,007 00	80,836 23
Franklin street		4,274 94	330 73	2,369 52
St. Paul street		120,495 98	64,841 15	48,336 11
Eager street		25,025 36	24,966 18	59 18
Aliceanna street		8,813 83	3,976 15	2,617 68
Aliceanna st, repaving		47,000 00		
Front street		22,689 01	20,155 46	472 30
Poppleton street		51,910 09	303 75	50,906 34
Maryland avenue		36,609 15	28,711 01	40 50
Charles street avenue		151 05	151 05	
Boston street		96,624 72	5,720 33	88,151 68
Saratoga street		57,948 40	51,910 18	20 52
Fort avenue		72,122 19	7,465 04	46,716 21
Read street		21,797 15	21,797 15	
Holliday, Pleasant, Hillen and other streets		139,238 57	5,555 06	130,067 53
Park avenue, Howard to Lexington		3,831 66		3,597 08
Calvert street		5,402 42	4,830 82	
Concord street		42,298 43	36,051 69	6,246 74
Davis street		285 50	233 50	52 00
Eutaw street		1,200 00	1,195 00	5 00
Pleasant street		2 56		2 56
Hanover, Lexington and Richmond Markets		42,428 78	41,766 27	5 00
Biddle street		1,943 72		1,943 72
East Baltimore street		87,434 20	78,866 84	23 00
East Chase street		110,946 70	100,114 34	395 30
West North avenue, macadamizing		6,433 05	6,433 05	
Lafayette avenue		33,399 08	29,839 36	84 00
Broadway		37,397 64		
Pratt street		158,486 38		153,738 78
Pearl street		20,064 55		
Fayette street		40,781 53	10 00	33,279 34
McCulloh street		27,150 72		24,350 81
Madison street		12,419 04		12,419 04
School-Houses and Lots ..	400,000 00	400,000 00	57,151 21	128,648 15
Lot and building, Western Female High School		135,000 00	30,669 66	35,226 34

1940 PUBLIC IMPROVEMENT LOAN.

Amount Expended in 1895.	Amount Expended in 1896.	Total Expendi- tures.	Receipts.	Balance, Dr.	Balance, Cr.
\$59,785 90	\$294,110 29	\$ 711,696 99	.....	.....	\$1,038,303 01
21,024 98	.....	125,000 00	.....	.....	.....
78,566 53	85,965 45	1,568,184 22	.....	.....	31,815 78
.....	.....	76,489 25	.....	.....	.....
793 41	.....	95,061 12	.....	.....	.....
.....	.....	91,843 23	.....	.....	.....
1,646 69	.....	4,274 94	\$72 00	.....	.....
.....	7,318 72	120,495 98	.....	.....	.....
.....	.....	25,025 36	.....	.....	.....
2,220 00	.....	8,813 83	.....	.....	.....
.....	27,786 10	27,786 10	.....	.....	19,213 90
2,061 25	.....	22,689 01	.....	.....	.....
700 00	.....	51,910 09	.....	.....	.....
7,857 64	.....	36,609 15	.....	.....	.....
.....	.....	151 05	.....	.....	.....
2,752 71	.....	96,624 72	.....	.....	.....
6,017 70	.....	57,948 40	.....	.....	.....
17,912 94	28 00	72,122 19	.....	.....	.....
.....	.....	21,797 15	.....	.....	.....
3,615 98	.....	139,238 57	.....	.....	.....
234 58	.....	3,831 66	.....	.....	.....
571 60	.....	5,402 42	.....	.....	.....
.....	.....	42,298 43	.....	.....	.....
.....	.....	285 50	.....	.....	.....
.....	.....	1,200 00	.....	.....	.....
.....	.....	2 56	.....	.....	.....
657 51	.....	42,428 78	.....	.....	.....
.....	.....	1,943 72	.....	.....	.....
8,544 36	.....	87,434 20	.....	.....	.....
10,437 06	.....	110,946 70	.....	.....	.....
.....	.....	6,433 05	.....	.....	.....
.....	3,475 72	33,399 08	.....	.....	.....
303 31	35,410 40	35,713 71	.....	.....	1,683 93
4,747 60	.....	158,486 38	.....	.....	.....
.....	9,146 60	9,146 60	.....	.....	10,917 95
7,492 19	.....	40,781 53	.....	.....	.....
.....	2,799 91	27,150 72	.....	.....	.....
.....	.....	12,419 04	.....	.....	.....
168,987 33	22,023 74	376,810 43	.....	.....	23,189 57
69,104 00	.....	135,000 00	.....	.....	.....

No. 5.—STATEMENT OF SIX MILLION 1940

	Authorized Appropriation.	Actual Appropriation.	Amount Expended in 1893.	Amount Expended in 1894.
Lot and building, male and female grammar school, Annex.....		\$ 30,000 00	\$ 5,340 89	\$ 23,971 99
Lot and building, School No. 4, Biddle street...		15,000 00	15,000 00	.....
Lot and building, Baltimore City College ...		167,000 00	30 00	50,015 00
Lot and building, Eng-German School No. 6.....		35,000 00	.....	7,545 48
Primary School No. 4.....		9,000 00	.....	9,000 00
Building addition to Annex School No. 9....		9,000 00	6,110 66	2,889 34
Opening Streets, totals...	\$ 300,000 00	300,000 00	188,182 68	12,459 90
Opening McCulloh st.		79,405 37	128,731 75	12,459 90
Opening Whitelock st.		19,150 85	.....	.....
Widening Union Dock.....		48,994 97	59,450 93	.....
Widening Gay street.....		152,448 81	.....	.....
Constructing Sewers, totals	1,000,000 00	980,431 56	58,034 79	296,631 78
Druid Hill avenue sewer.....		40,000 00	.....	1,929 53
Union avenue sewer.....		12,485 77	12,284 28	201 49
Federal street sewer.....		31,367 56	13,233 10	18,134 46
Monroe street sewer.....		7,954 76	7,954 76	.....
Patapsco street sewer.....		24,515 79	17,113 85	7,401 94
Race street sewer.....		2,000 00	1,554 70	.....
Low street sewer.....		3,384 21	.....	.....
Fremont avenue sewer.....		93,200 00	150 00	24,038 51
West street sewer.....		8,000 00	3,555 46	.....
Fort avenue sewer.....		59,107 95	.....	14,275 78
Bruce alley sewer.....		76,333 36	.....	22,566 41
Barclay street sewer.....		3,918 67	.....	3,736 59
Charles street sewer.....		67,946 65	2,188 64	24,768 02
North Charles st. sewer.....		8,000 00	.....	.....
Bush street sewer.....		174,213 38	.....	158,417 25
Patapsco street sewer extension.....		47,000 00	.....	17,770 36
Orleans street sewer.....		7,888 15	.....	3,391 44
Alluvian street sewer.....		140,000 00	.....	.....
Brice alley sewer.....		24,000 00	.....	.....
Hoffman street sewer.....		3,000 00	.....	.....
Presstman street sewer.....		30,000 00	.....	.....
Chatsworth run sewer.....		624 64	.....	.....
Beason street sewer.....		11,892 05	.....	.....
Fulton avenue sewer.....		2,038 94	.....	.....
Greene to Pearl st. sewer.....		1,800 00	.....	.....
Eager street sewer.....		16,000 00	.....	.....
Henrietta street sewer.....		1,000 00	.....	.....

PUBLIC IMPROVEMENT LOAN. Continued.

Amount Expended in 1895.	Amount Expended in 1896.	Total Expendi- tures.	Receipts.	Balance, Dr.	Balance, Cr.
		\$ 29,312 88			\$ 687 12
		15,000 00			
\$ 72,428 81	\$ 22,023 74	144,497 55			22,502 45
27,454 52		35,000 00			
		9,000 00			
		9,000 00			
40,680 66	152,648 81	297,919 16		\$423 31	2,504 15
		77,658 01	\$63,533 64		1,747 36
40,680 66	200 00	19,574 16	21,306 50	423 31	
		48,238 18	11,212 75		756 79
	152,448 81	152,448 81			
217,426 87	192,369 62	764,463 06			215,968 50
22,765 57	8,119 80	32,814 90			7,185 10
		12,485 77			
		31,367 56			
		7,954 76			
		24,515 79			
		1,554 70			445 30
	3,384 21	3,384 21			
34,164 37	33,209 91	91,562 79			1,637 21
		3,555 46			4,444 54
40,355 21	4,476 96	59,107 95			
30,996 23	5,814 16	59,376 80			16,956 56
182 08		3,918 67			
29,138 41	9,899 20	65,994 27			1,952 38
	225 94	225 94			7,774 06
15,745 52	50 61	174,213 38			
22,404 89	3,391 97	43,567 22			3,432 78
4,496 71		7,888 15			
3,163 11	72,532 44	75,695 55			64,304 45
4,712 33	15,850 68	20,563 01			3,436 99
	2,350 14	2,350 14			649 86
9,302 44	19,861 28	29,163 72			836 28
	624 64	624 64			
	7,126 63	7,126 63			4,765 42
	2,038 94	2,038 94			
	1,379 13	1,379 13			420 87
	55 10	55 10			15,944 90
	145 41	145 41			854 59

No. 5.—STATEMENT OF SIX MILLION 1940

	Authorized Appropriation.	Actual Appropriation.	Amount Expended in 1893.	Amount Expended in 1894.
Camden street sewer.....		\$ 1,000 00		
Inlets, Bruce alley and Presbury street.....		214 78		
Inlets, Jenkins run.....		853 35		
Inlets, Mt. Royal ave. and McMechen street.....		691 55		
Stockholm street sewer.....		40,000 00		
Lanvale street sewer.....		40,000 00		
Conduits for Underground Wires.....	\$225,000 00	225,000 00	\$ 529 91	\$ 13,878 90
Building Bridges, totals...	600,000 00	582,424 96	165,366 66	247,299 20
Baltimore street bridge.....		33,076 55	33,076 55	
Ramsay street bridge.....		33,923 45	27,695 50	6,227 95
Edmondson avenue bridge.....		26,000 00	162 00	12,656 19
Monroe street bridge.....		12,700 00	20 00	3,462 89
North avenue bridge.....		351,000 00	104,018 50	206,238 22
Maryland ave. bridge..		14,727 31	394 11	14,333 20
Columbia ave. bridge.....		20,997 65		4,380 75
North avenue bridge and approaches, com- pletion of.....		90,000 00		
	\$6,000,000 00	\$5,962,856 52	\$1,290,370 89	\$1,743,312 35

PUBLIC IMPROVEMENT LOAN—Concluded.

Amount Expended in 1895.	Amount Expended in 1896.	Total Expendi- tures.	Receipts.	Balance, Dr.	Balance, Cr.
.....	\$ 19 22	\$ 19 22	.....	.....	\$ 980 78
.....	214 78	214 78	.....	.....	.....
.....	853 35	853 35	.....	.....	.....
.....	691 55	691 55	.....	.....	.....
.....	53 57	53 57	.....	.....	39,946 43
.....	.....	.....	.....	.....	40,000 00
\$ 94,618 05	115,973 14	225,000 00	.....	.....	.....
112,350 70	35,524 90	560,541 46	.....	.....	21,883 50
.....	.....	33,076 55	.....	.....	.....
.....	.....	33,923 45	.....	.....	.....
12,560 64	.....	25,378 83	.....	.....	621 17
6,810 97	.....	10,293 86	.....	.....	2,406 14
40,698 57	.....	350,955 29	.....	.....	44 71
.....	.....	14,727 31	.....	.....	.....
16,616 90	.....	20,997 65	.....	.....	.....
35,663 62	35,524 90	71,188 52	.....	.....	18,811 48
\$793,441 02	\$898,615 95	\$4,629,615 32	*\$96,124 89	\$423 31	\$1,333,664 51

Total actual appropriations.....\$5,962,856 52

Excess of appropriation paid for opening Whitelock st. 423 31

\$5,963,279 83

Total expenditures (out of appropriations).....\$4,629,615 32

Balance of appropriations not used.....1,333,664 51

5,963,279 83

*The above \$96,124.89 received from property holders has been expended in addition to the amount from appropriations, making the total expenditures \$4,725,740.21.

STATEMENT No. 6.
FOUR MILLION LOAN, DUE 1945.

	Authorized Appropriation.	Actual Appropriation.	Amount Expended in 1895.	Amount Expended in 1896.	Total Expendi- tures.	Balance, Dr.	Balance, Cr.
New Court-house.....	\$1,000,000 00	\$1,000,000 00					\$1,000,000 00
Public parks.....	1,000,000 00	722,366 30	\$722,366 30		\$722,366 30		
Clifton Park.....		722,366 30	722,366 30		722,366 30		
Enlargement Water Supply.....	2,000,000 00	2,000,000 00		\$12,779 57	12,779 57		1,987,220 43
	\$4,000,000 00	\$3,722,366 30	\$722,366 30	\$12,779 57	\$735,145 87		\$2,987,220 43

No. 7.—STATEMENT OF STREETS OPENED, CLOSED AND WIDENED AND PAID BY ASSESSMENT.

	Jan. 1, 1896. Dr. Balance.	Jan. 1, 1896. Cr. Balance.	Expenditures in 1896.	Receipts in 1896.	Balance, Dr.	Balance, Cr.
<i>Opening Streets.</i>						
Smallwood street.....	\$ 29 95				\$ 29 95	
Townsend ".....			\$ 63 15		63 15	
Fairmount avenue.....	38 05		457 03		495 08	
Lauvale street.....		\$1,027 08				\$1,027 08
Carroll ".....		280 88				280 88
Nanticoke ".....		608 20				608 20
Pulton avenue.....	61 65				61 65	
Madison street.....		390 64	14,326 91			
Fayette ".....	1,564 20		37 40		174 78	
Cleveland ".....	148 50				148 50	
Kirby's lane.....	11 40				11 40	
Covington street.....	1,363 19			2,100 00		736 81
Port alley.....	188 47		376 91		565 38	
Collington avenue.....			381 68	1,568 25		1,186 57
Bouldin alley.....		1,265 39				1,265 39
Burke street.....	101 14			101 14		
Clement ".....			583 64		583 64	
Etting ".....	122 57			122 57		
Forrest ".....		2,263 80	4,368 69	2,104 89		
Brunt ".....	45 55				45 55	
Bayard ".....	341 85			217 45	124 40	
Rose ".....	548 50		64 68	148 50	464 68	
Neighbor ".....	30 25				30 25	
Dallas ".....	159 33		1,470 03	1,629 36		
Castle ".....	393 65		53 13	1,212 25		765 47
Ludlow street.....	66 71				66 71	
Burrow ".....		153 05				153 05

No. 7.—STATEMENT OF STREETS OPENED, CLOSED AND WIDENED AND PAID BY ASSESSMENT.—Continued.

	Jan. 1, 1896. Dr. Balance.	Jan. 1, 1896. Cr. Balance.	Expenditures in 1896.	Receipts in 1896.	Balance, Dr.	Balance, Cr.
Myrtle avenue.....	92 53				92 53	4,554 82
Ensor street.....		4,417 32		137 50		
Clarkson alley.....	450 00		58 75		508 75	
Patterson avenue.....	312 35			205 50	106 85	
Great Constitution street.....	143 95		102 25	436 50		190 30
Ten-foot alley.....	62 05		94 11	210 79		54 63
Bradford street.....	327 27		87 38		414 65	
Birckhead ".....		324 11		108 03		432 14
Pulaski ".....	35 00		62 76		97 76	
Payson ".....	35 00		62 01	117 50		20 49
Penn ".....				140 00		140 00
Patuxent ".....			300 00		300 00	
Chesapeake " Ordinance 82, 1895.			482 68		482 68	
" " 127, 1896.			264 58		264 58	
Jefferson ".....			297 48		297 48	
Glover ".....			250 25		250 25	
Grove ".....			212 89		212 89	
Chase ".....			250 00		250 00	
Hollins ".....			3,675 00	3,675 00		
<i>Closing Streets.</i>						
Morris alley.....			610 00	595 00	15 00	
Gilmor lane.....			182 64		182 64	
Whitelock lane.....			113 67		113 67	
Fourth street.....			78 82		78 82	
<i>Widening Streets.</i>						
East and Chestnut streets.....	1,214 90		13 50	1,576 36		347 96
Gay street.....		9,961 84	23,157 46	27,477 41		14,281 79
					92 53 67	\$26,045 58

No. 7.—STATEMENT OF STREETS OPENED, CLOSED AND WIDENED AND PAID BY
ASSESSMENT.—Concluded.

	Jan. 1, 1896. Dr. Balance.	Jan. 1, 1896. Cr. Balance.	Expenditures in 1896.	Receipts in 1896.	Balance, Dr.	Balance, Cr.
<i>Amount brought forward</i>	\$ 7,888 01	\$20,692 31	\$52,539 48	\$59,247 09	\$6,533 67	\$26,045 58
Credit balance January 1, 1896	12,804 30					
Excess of receipts over expendi- tures, 1896			6,707 61			
Credit balance December 31, 1896					19,511 91	
	\$20,692 31	\$20,692 31	\$59,247 09	\$59,247 09	\$26,045 58	\$26,045 58
Receipts from City Collector					\$55,253 03	
Receipts, old material and other sources					3,770 35	
Receipts, appropriation Burke st.					101 14	
Receipts, appropriation Etting st.					122 57	
					\$59,247 09	

No. 8.—STATEMENT OF STREETS PAVED PAID BY ASSESSMENT.

	Jan. 1, 1896. Dr. Balance.	Jan. 1, 1896. Cr. Balance.	Expenditures in 1896.	Receipts in 1896.	Balance, Dr.	Balance, Cr.
<i>Paving Streets.</i>						
Riggs avenue.....	\$349 22		\$3,919 01	\$1,928 83	\$2,339 40	
Luzerne street, Ordinance 97-'95.....	260 56		1,286 07	1,393 88	152 75	
" " 48-'96.....			2,423 30	2,541 77		\$ 118 47
" " 144-'96.....			29 19		29 19	
Milton avenue.....			4,037 94	4,325 59		
Beason street, Ordinance 163-'93.....	260 56		26 85	688 76		27 09
" " 90-'94.....			159 49		159 49	661 91
Jefferson street.....			2,168 56	2,337 74	185 70	
Patterson Park avenue.....	354 88	440 33	440 33			
Richardson street.....			15 75		15 75	
Monroe street.....			46 38		46 38	
Preston street, Ordinance 104-'93.....			1,175 52		1,175 52	
" " 102-'95.....		1,654 40	3,570 71		1,916 31	
" " 106-'95.....		12,242 90	9,869 05	4,642 11		7,015 96
Wolfe street.....		292 35	2,093 56	1,199 53	601 68	
Gunpowder street.....			25 35		25 35	
Johnson ".....		881 64	1,091 66	136 37	73 65	
Met'ulloh ".....	76 21		3,613 39	3,814 48		124 88
Federal ".....	9 20		1,167 98	1,410 52		233 34
Eastern avenue.....		4,364 88	5,599 79	421 78	813 13	
Ridgely street.....	648 47		20 00		668 47	
Brevard ".....	396 25		1,362 60	1,061 62	697 23	
Lanvale ".....	480 44		297 86	297 86	480 44	

Pulaski street.....	868 23	.....	239 46	.....	1,107 69	.....
Covington street.....	238 83	.....	97 10	3,367 07	.....	3,031 14
Cannon street, Ordinance 100-'95.....		\$15,912 46	14,000 87	5,223 43	.....	7,135 02
" " 75-'95.....			4,287 50	4,443 11	.....	155 61
Bush street.....			23 17	.....	23 17	.....
McElderry street.....	159 98	.....	.....	.....	159 98	.....
Hamburg " ".....	253 26	.....	.....	.....	255 26	.....
Chester " ".....		1,350 09	.....	.....	.....	.....
Rose " ".....	197 66	.....	.....	.....	.....	.....
Chase " ".....		344 25	.....	.....	.....	.....
Montford avenue.....	259 58	.....	.....	1,739 79	.....	.....
Whitlock street.....	269 18	.....	.....	935 96	.....	12 58
Appleton " ".....	70 46	.....	.....	.....	98 25	.....
Oliver " ".....	15 60	.....	.....	3,007 79	549 94	.....
Bayard " ".....	25 00	.....	.....	4,561 22	461 09	.....
Clement " ".....	25 00	.....	.....	7,489 95	.....	.....
A ten-foot alley.....		.....	3,010 81	2,992 02	43 79	7 80
Andre street.....		.....	.....	.....	.....	.....
Barelay street.....		.....	53 89	2,519 16	.....	.....
Spring " ".....		.....	879 47	843 86	35 61	.....
Baker " ".....		.....	912 76	94 61	.....	.....
Lawrence " ".....		.....	24 08	2,208 80	.....	27 85
Patapsco " ".....		.....	16 95	175 90	.....	2,184 72
Bruce alley.....		.....	796 95	951 50	.....	158 95
Marshall street.....		.....	26 40	.....	26 40	154 55
North avenue.....		.....	78 50	318 01	.....	.....
Twenty-third street.....		.....	14 50	.....	14 50	239 51
Mount street.....		.....	4 00	.....	4 00	.....
Northwest street.....		.....	4 75	.....	4 75	.....
Sundry footways.....		.....	4 87	.....	4 87	.....
		.....	3,748 90	3,457 36	291 54	.....
<i>Amount carried forward.....</i>	\$5,218 57	\$37,483 30	\$98,816 39	\$77,346 44	\$12,964 68	\$23,759 46

No. 8.—STATEMENT OF STREETS PAVED PAID BY ASSESSMENT.—Concluded.

	Jan. 1, 1896. Dr. Balance.	Jan. 1, 1896. Cr. Balance.	Expenditures in 1896.	Receipts in 1896.	Balance, Dr.	Balance, Cr.
<i>Amount brought forward</i>						
Credit balance, January 1, 1896....	\$ 5,218 57	\$37,483 30	\$98,816 39	\$77,346 44	\$12,964 68	\$23,759 46
Excess of expenditures over receipts 1896	32,264 73					
Credit balance, December 31, 1896....				21,469 95	10,794 78	
	\$37,483 30	\$37,483 30	\$98,816 39	\$98,816 39	\$23,759 46	\$23,759 46

STATEMENT No. 9.

WILLIAM F. STONE, REGISTER, IN ACCOUNT WITH MAYOR AND
CITY COUNCIL OF BALTIMORE.

Jan. 1—To Balance.....	\$ 520,561 35	
“ 31—To Cash.....	1,166,601 28	
Feb. 29— “	1,064,884 20	
Mar. 31— “	430,625 68	
Apr. 30— “	961,070 08	
May 31— “	643,813 64	
June 5— “ City Col. Tax Returns....	243,948 10	
“ 30— “	2,747,112 13	
July 2— “ “ “	363,917 39	
“ 31— “	1,344,617 90	
Aug. 3— “ “ “	248,388 80	
“ 31— “	273,066 60	
Sept. 2— “ “ “	158,978 54	
“ 30— “	441,288 43	
Oct. 2— “ “ “	280,466 07	
“ 30— “	756,957 41	
Nov. 5— “ “ “	243,490 00	
“ 30— “	729,087 19	
Dec. 3— “ “ “	265,762 42	
“ 31— “	575,031 86	
“ 31— “ “ “	723,870 80	
Jan. 31—By Cash.....		\$1,869,559 28
Feb. 29— “		682,898 18
Mar. 31— “		736,821 96
Apr. 30— “		766,306 06
May 31— “		1,292,472 74
June 5— “ Discount on Taxes.....		107,180 61
“ 30— “		2,114,163 07
July 2— “ “ “		9,435 52
“ 31— “		1,590,818 84
Aug. 3— “ “ “		4,470 32
“ 31— “		833,164 93
Sept. 2— “ “ “		2,202 92
“ 30— “		652,261 00
Oct. 2— “ “ “		3,577 08
“ 31— “		862,990 58
Nov. 5— “ “ “		1,569 09
“ 30— “		1,144,402 30
Dec. 3— “ “ “		1,001 53
“ 31— “		1,129,068 91
Balance.....		379,174 95
	\$14,183,539 87	\$14,183,539 87

STATEMENT No. 10.

LOAN, CASH ACCOUNTS.

SIX MILLION 1940 PUBLIC IMPROVEMENT LOAN.

1896.		
Jan. 1—	By receipts from stock to date.....	\$3,682,400 00
Dec. 31—	“ “ during year..	1,067,600 00
		<hr/>
		\$4,750,000 00

1896.		
Jan. 1—	To expenditures to date.....	\$3,731,009 37
Dec. 31—	“ “ during year \$898,615 95	
	Less account Whitelock St... 10 00	
		<hr/>
		898,605 95
	To balance January 1, 1897.....	120,384 68
		<hr/>
		\$4,750,000 00 \$4,750,000 00

FIVE MILLION 1928 INTERNAL IMPROVEMENT LOAN.

1896.		
Jan. 1—	By receipts from stock to date.....	\$4,850,000 00
“ 1—	To expenditures to date.....	\$4,721,260 90
Dec. 31—	“ “ during year.....	1,998 84
	To balance January 1, 1897.....	126,740 26
		<hr/>
		\$4,850,000 00 \$4,850,000 00

FOUR MILLION 1945 LOAN.

1896.		
Jan. 1—	By receipts from stock to date.....	\$722,500 00
Dec. 31—	“ “ during year..	12,600 00
	By balance January 1, 1897.....	45 87
		<hr/>
Jan. 1—	To expenditures to date.....	\$722,366 30
Dec. 31—	“ “ during year.....	12,779 57
		<hr/>
		\$735,145 87 \$735,145 87

STATEMENT No. 11.

RECEIPTS AND EXPENDITURES FOR THE 21ST AND 22D WARDS.

(ANNEX) FOR THE YEAR 1896.

To salaries, public schools.....	\$112,902	25
“ expenses, “.....	20,697	23
“ gas.....	21,878	33
“ electric lights.....	2,804	22
“ gasoline.....	8,648	28
“ lamplighters.....	18,092	01
“ salaries Health Department.....	3,119	87
“ nuisances (deficiency).....	727	50
“ salaries Fire Department.....	32,817	99
“ expenses “ “.....	10,711	15
“ “ “ (deficiency).....	588	40
“ salary Superintendent Street Cleaning.....	1,000	00
“ garbage carts and men.....	15,247	44
“ street “ “ “.....	4,993	50
“ sweepers and scrapers.....	6,493	00
“ Street Cleaning Department—tools.....	120	60
“ Inspector of Buildings—salaries.....	760	00
“ repairs of city property.....	3,999	10
“ Annex School No. 3 lot.....	10,000	00
“ “ “ No. 3 building.....	8,168	30
“ Grammar and Primary School No. 18.....	10,946	95
“ building Engine House No. 20.....	13,591	96
“ salaries, City Commissioner.....	1,028	61
“ repairs streets, roads, etc.....	10,573	86
“ “ “ (deficiency).....	493	26
“ paving gutter, Old Frederick road.....	592	75
“ repaving Garrison Forrest lane.....	1,673	31
“ repairs Gilmor’s lane.....	407	50
“ macadamizing Augusta avenue.....	70	10
“ repairs Falls road.....	198	32
“ refunded taxes.....	1,136	71
“ election salaries, judges and clerks.....	648	00
“ “ “ room rents.....	365	00
“ “ “ advertising, printing, etc.....	1,827	28
“ registration, salaries for registers.....	3,888	00
“ “ “ room rent.....	725	00
“ “ “ advertising, printing, etc.....	1,577	55
	<hr/>	
	\$333,513	33

By receipts from tax collector:

“ taxes direct.....	\$130,834	54
“ “ “ in arrears.....	64,859	90
“ interest.....	1,260	50

\$196,954 94

Less discount..... 3,742 59

\$193,212 35

By repairs roads, streets, etc..... 23 99

“ excess of expenditures over receipts..... 140,276 99

\$333,513 33

\$333,513 33

Expenses of Police Department should be added to the above, but are not stated, as record of same for Annex has not been kept separate.

STATEMENT No. 12.

STATEMENT OF FLOATING DEBT.

DECEMBER 31, 1896.

Due various banks, temporary loans.....	\$1,500,000	00	
“ 5 Million Int. Imp. 1928 Loan.....	126,740	26	
“ 6 “ Public Improvement 1940 Loan.....	120,384	68	
“ Park Board.....	4,638	85	
“ Water Board.....	74,031	40	
“ public schools, account free text books...	11,349	86	
“ “ “ intestate estates..	1,985	86	
“ permanent water supply.....	437	32	
“ account of Patterson Park extension	101	18	
“ “ “ Ramsay street bridge (special).....	164	62	
“ “ “ improvement Harford Run...	3,135	53	
“ “ “ Gay, Hollins and Forrest sts.			
rents collected and held for adjustment.....	3,293	70	
Due account of paying certificates outstanding	25,911	83	
“ “ “ benefits collected for opening streets	\$19,511	91	
“ “ “ for paving streets and footways..	10,794	78	
			\$1,902,481 78
Cash in hands of City Register.....	\$379,174	95	
Due by 4 Million 1945 Loan.....	45	87	
“ Water Board, for interest on water loans	155,000	00	534,220 82
Present floating debt.....			\$1,368,260 96

FLOATING DEBT, DECEMBER 31, 1895.

As per report.....			\$1,385,503 79
Add amount due for benefits collected for opening streets.....	\$12,804	30	
Paving streets.....	32,264	73	
			\$45,069 03
Error in amount due by 6 Million Loan	5,184	03	
Rent of Bolton lot, estimated but not realized.	9,916	66	
Balances due on squares.....	1,957	18	
Amount due for liquor licenses; same not estimated this year	4,640	62	
Amount due account permanent water supply.	437	32	
“ “ “ Ramsay street bridge (special).....	164	62	
“ “ “ North avenue bridge ...	356	17	67,725 63
			\$1,453,229 42
Amount of floating debt, December 31, 1895..			\$1,453,229 42
“ “ “ “ “ “ “ 1896..			1,368,260 96
Decrease.....			\$84,968 46

TABLES.

TABLE A.
BELAIR MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls	\$ 570 00	\$2,165 00	\$2,735 00
Permanent stalls	906 00	360 00	1,260 00
Eave "	1,025 00	205 00	1,230 00
Street eave " . . . . .	.....	332 50	332 50
Movable "	182 00	130 00	312 00
Fish "	166 50	78 00	244 50
Street " . . . . .	.....	926 00	926 00
Street season stalls . . . . .	.....	83 75	83 75
Per diems . . . . .	.....	.....	2,614 05
	<hr/> \$2,843 50	<hr/> \$4,280 25	<hr/> \$9,737 80

Clerk—Charles Klinejohn.

CENTRE MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls	\$260 00	\$1,135 00	\$1,395 00
Permanent stalls	230 00	193 00	423 00
Eave "	350 00	140 00	490 00
Movable "	215 00	281 00	496 00
Gutter " . . . . .	.....	456 00	456 00
Permanent fish stalls	235 00	244 00	479 00
Eave " "	155 00	81 00	236 00
Street " " . . . . .	.....	70 00	70 00
Street eave stalls . . . . .	.....	125 00	125 00
Per diems . . . . .	.....	.....	1,789 15
	<hr/> \$1,445 00	<hr/> \$2,725 00	<hr/> \$5,959 15

Clerk—J. E. Hendricks.

Assistant Clerk—Charles C. Sanmer.

CANTON MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls	\$35 00	\$72 50	\$107 50
Permanent stalls	55 00	89 00	144 00
Fish "	10 00	4 00	14 00
Space "	5 00	.....	5 00
Eave "	70 00	42 00	112 00
Per diems . . . . .	.....	.....	153 60
	<hr/> \$175 00	<hr/> \$207 50	<hr/> \$536 10

Clerk—James A. Cadden.

CROSS STREET MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls.....	\$305 00	\$626 25	\$931 25
Permanent stalls.....	.....	340 00	340 00
Eave ".....	.....	365 00	365 00
Street ".....	.....	880 00	880 00
Per diems.....	.....	.....	2,044 95
	<hr/>	<hr/>	<hr/>
	\$305 00	\$2,211 25	\$4,561 20

Clerk—W. A. Torney.

RICHMOND MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls.....	\$220 00	\$382 50	\$602 50
Permanent stalls.....	145 00	185 00	330 00
Eave ".....	131 50	147 00	278 50
Aisle ".....	.....	80 00	80 00
Movable ".....	40 00	53 00	93 00
Fish ".....	90 00	90 00	180 00
Street ".....	.....	407 50	407 50
Space ".....	.....	82 50	82 50
Armory ".....	.....	22 00	22 00
Per diems.....	.....	.....	1,174 10
	<hr/>	<hr/>	<hr/>
	\$626 50	\$1,449 50	\$3,250 10

Clerk—Dixon C. Gourley.

LEXINGTON MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls.....	\$ 550 00	\$2,220 00	\$2,770 00
Permanent stalls.....	580 00	1,400 00	1,980 00
Eave ".....	1,100 00	440 00	1,540 00
Movable ".....	220 00	88 00	308 00
Fish ".....	250 00	100 00	350 00
Vegetable ".....	250 00	350 00	600 00
Street stalls, Lexington.....	.....	1,245 00	1,245 00
" " Eutaw.....	.....	210 00	210 00
" " Paca.....	.....	120 00	120 00
" " Greene.....	.....	80 00	80 00
" " Pearl.....	.....	235 00	235 00
" eave stalls.....	.....	720 00	720 00
Per diems.....	.....	.....	3,918 70
James A. Strong's estate.....	.....	.....	6,550 00
	<hr/>	<hr/>	<hr/>
	\$2,950 00	\$7,208 00	\$20,626 70

Clerk—Francis Gates.

Assistant Clerk—William H. Tibbels.

NORTHEAST MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls	\$80 00	\$157 50	\$237 50
Permanent stalls	60 00	57 00	117 00
Fish " .....	.....	14 00	14 00
Space " .....	.....	491 50	491 50
Eave and end stalls	50 00	34 00	84 00
Street eave stalls .....	.....	12 00	12 00
Per diems. ....	.....	.....	669 20
	<hr/> \$190 00	<hr/> \$766 00	<hr/> \$1,625 20

Clerk—Charles Briggeman.

FELLS' POINT MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls.....	\$305 00	\$1,205 00	\$1,510 00
Permanent stalls.....	330 00	462 00	792 00
Eave "	300 00	420 00	720 00
Space "	607 50	894 50	1,502 00
Movable " .....	.....	315 00	315 00
Fish "	65 00	52 00	117 00
Street " .....	.....	406 00	406 00
Per diems. ....	.....	.....	1,480 35
	<hr/> \$1,607 50	<hr/> \$3,754 50	<hr/> \$6,842 35

Clerk—W. A. Callahan.

HANOVER MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls.....	\$285 00	\$917 50	\$1,202 50
Permanent stalls.....	355 00	220 00	575 00
Eave "	360 00	144 00	504 00
Fish "	55 00	113 00	168 00
Street " .....	.....	610 00	610 00
Per diems. ....	.....	.....	1,245 15
	<hr/> \$1,055 00	<hr/> \$2,004 50	<hr/> \$4,304 65

Clerk—Alonza Jones.

HOLLINS MARKET.

	<i>License.</i>	<i>Rent.</i>	<i>Total.</i>
Butcher stalls.....	\$205 00	\$504 00	\$709 00
Permanent stalls.....		200 00	200 00
Fish ".....		60 00	60 00
Eave ".....		220 00	220 00
Space ".....		200 00	200 00
Street eave ".....		105 00	105 00
Pavement ".....		25 00	25 00
Street ".....		594 00	594 00
End ".....		50 00	50 00
Nine months' stalls.....		12 00	12 00
Three " ".....		4 00	4 00
Per diems.....			1,487 00
	<hr/>	<hr/>	<hr/>
	\$205 00	\$1,974 00	\$3,666 00

Clerk—James Biden.

LAFAYETTE MARKET.

	<i>License and Rent.</i>	<i>Total.</i>
Butcher stalls.....	\$315 00	\$315 00
Permanent stalls.....	556 00	556 00
Eave ".....	383 00	383 00
End eave ".....	65 00	65 00
Space ".....	50 00	50 00
Street eave ".....	169 00	169 00
Street at eave stalls.....	30 00	30 00
Per diems....		800 20
	<hr/>	<hr/>
	\$1,568 20	\$2,368 20

Clerk—J. Frank Forrester.

TABLE A.—Continued.
COMPARATIVE STATEMENT OF PER DIEMS RECEIVED FROM DIFFERENT MARKETS.

	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total, 1896.	Total, 1895.
Belair	\$192 30	\$186 20	\$202 10	\$211 50	\$251 80	\$218 50	\$213 90	\$234 50	\$215 40	\$225 75	\$198 40	\$263 70	\$2,614 05	\$2,251 20
Canton	8 70	11 70	9 10	10 80	13 60	13 30	13 20	15 70	13 70	16 00	13 50	14 30	153 60	156 10
Centre	123 95	133 95	127 65	156 70	165 35	152 75	151 55	161 95	162 80	162 80	143 50	146 20	1,789 15	1,848 90
Cross street..	278 60	133 00	135 70	134 40	181 90	175 00	155 50	181 90	173 20	182 10	133 10	180 55	2,044 95	1,865 10
Fells Point..	120 15	121 05	120 95	118 05	136 25	126 95	113 55	120 95	127 25	132 15	112 90	130 15	1,480 35	1,505 80
Hanover ..	97 05	91 65	99 40	110 35	116 30	113 70	113 30	116 20	98 85	107 55	87 25	93 55	1,245 15	1,431 85
Hollins	121 00	96 30	127 25	114 35	118 50	145 35	125 00	126 65	133 10	135 45	121 30	122 75	1,487 00	1,447 50
Lafayette ...	57 40	72 05	57 50	58 35	48 50	95 25	64 55	81 75	65 50	79 95	62 90	56 50	800 20	758 00
Lexington ..	324 50	264 20	285 00	293 60	369 40	348 90	315 50	341 10	350 60	371 80	311 80	342 30	3,918 70	4,121 00
Northeast ..	42 50	49 40	42 90	48 00	60 70	58 40	60 60	69 30	63 00	66 80	54 80	53 10	669 20	725 10
Richmond ..	83 35	86 35	75 65	87 25	90 25	80 25	87 05	87 55	77 35	143 65	127 75	147 65	1,174 10	1,027 20
													\$17,376 45	\$17,137 75

TABLE A.—Concluded.

COMPARATIVE STATEMENT SHOWING RECEIPTS AND EXPENDITURES OF MARKETS.

	1896.		1895.	
	<i>Dr.</i>	<i>Cr.</i>	<i>Dr.</i>	<i>Cr.</i>
Hanover Market	\$435 96	\$4,304 65	\$435 96	\$4,455 85
Belair "	511 72	9,737 80	540 89	7,606 20
Cross Street Market...	363 03	4,561 20	286 80	4,092 60
Lexington "	666 00	20,626 70	676 90	6,731 00
Hollins "	347 90	3,666 00	336 00	3,564 50
Centre "	638 15	5,959 15	642 30	5,727 90
Richmond "	383 56	3,250 10	399 75	1,630 20
Fells' Point "	508 00	6,842 35	513 50	6,263 80
Lafayette "	323 05	2,368 20	256 33	2,133 00
Northeast "	369 00	1,625 20	316 75	1,605 10
Canton "	178 70	536 10	176 75	474 10
	<hr/>	<hr/>	<hr/>	<hr/>
Less expenses	\$4,725 07	\$63,477 45	\$4,581 93	\$44,284 25
		4,725 07		4,581 93
		<hr/>		<hr/>
Net revenue.....		\$58,752 38		\$39,702 32
Jas. A. Strong's Est., due 1895.....		6,550 00		6,550 00
		<hr/>		<hr/>
		\$52,202 38		\$46,252 32
Increase over 1895....		.....		5,950 06
		<hr/>		<hr/>
		\$52,202 38		\$52,202 38

TABLE B.—PUBLIC HALLS.

HOLLINS HALL.

By rent.....		\$242 00
To expense cleaning, etc.....	\$108 15	
To net revenue.....	133 85	
	<hr/>	<hr/>
	\$242 00	\$242 00

CROSS STREET HALL.

By rent.....		\$259 00
To expense cleaning, etc.....	\$ 74 15	
To net revenue.....	184 85	
	<hr/>	<hr/>
	\$259 00	\$259 00

TABLE C.
GENERAL LICENSES.

	1896.	1895.
Wagons, one horse.....	\$18,196 50	\$17,836 30
“ two and three horse.....	10,381 85	10,129 00
“ four and more horse.....	792 35	656 55
Carts.....	4,754 35	5,105 35
Drays.....	290 30	341 65
Peddlers.....	975 75	803 95
Hacks, cabs, cars and omnibuses.....	3,710 90	3,421 05
Package carts.....	576 45	593 30
Lighters.....	757 25	322 60
Bacon, market	2,100 00	.....
Sausage and pudding, market	298 80	1,698 70
Merchandise (women) market	242 95	144 60
Telegraph poles.....	13,604 50	17,112 53
Foreign fruit.....	580 00	266 45
Billiard tables.....	1,849 30	2,252 20
Bagatelle tables.....	586 60	779 95
Bowling alley.....	.....	58 35
Pawnbrokers.....	800 00	1,000 00
Dogs	649 75	497 20
Coal oil.....	2,006 10	1,568 90
Theatrical.....	3,317 00	2,813 00
	<hr/>	<hr/>
Less pole tax due 1893 and 1894, paid in 1895.....	\$66,470 70	\$67,401 63
	<hr/>	<hr/>
Actual increase during 1896.....		\$63,069 63
		3,401 07
	<hr/>	<hr/>
	\$66,470 70	\$66,470 70

TABLE D.
RECEIPTS FROM WHARFAGE FOR THE TWELVE MONTHS ENDING DECEMBER 31, 1896.

	1st Dis.	2d Dis.	3d Dis.	4th Dis.	5th Dis.	Total.
January	\$61 50	\$264 42	\$160 58	\$381 50	\$1,201 60	\$2,069 60
February	49 50	196 74	133 53	366 50	1,307 97	2,054 24
March	50 25	156 47	131 45	410 00	1,186 53	1,934 70
April	56 50	172 46	150 87	362 50	1,487 88	2,230 21
May	57 25	255 43	250 26	351 00	1,548 40	2,462 34
June	70 25	177 02	233 17	347 50	1,429 71	2,257 65
July	70 00	388 06	307 28	363 00	1,567 71	2,696 05
August	56 50	364 84	326 35	366 50	1,571 73	2,685 92
September	60 25	405 82	317 72	509 00	1,405 08	2,697 87
October	50 00	415 35	256 10	396 50	1,141 12	2,259 07
November	78 40	225 43	197 86	378 50	1,127 18	2,007 37
December	80 25	234 74	203 86	401 00	1,234 38	2,154 23
	\$740 65	\$3,256 78	\$2,669 03	\$4,633 50	\$16,209 29	\$27,509 25

STATEMENT.

Amount paid to harbor masters	\$ 5,501 85
" " " boatmen	1,200 00
" " " rent, incidentals, etc.	429 45
Net receipts	20,377 95
	<hr/>
	\$27,509 25

TABLE E.

DOG POUND.

By dogs redeemed		\$345 75	
" " sold		27 00	
" " carcasses		32 17	
" total revenue received.			\$ 404 92
" appropriation.			1,000 000
To dog catchers and expense	\$986 25		
" balance.	418 67		
		<u>\$1,404 92</u>	<u>\$1,404 92</u>

REMOVED CASES.

By amount from Somerset county.....		\$1,748 11	
" " " Harford county		775 44	
To balance.....	\$2,523 55		
		<u>\$2,523 55</u>	<u>\$2,523 55</u>

FINES.

By city's proportion of fines.		\$2,930 88	
To fines remitted by the Mayor.....	\$ 219 50		
" net revenue.	2,711 38		
		<u>\$2,930 88</u>	<u>\$2,930 88</u>

TABLE F.

CRIMINAL COURT.

By appropriation.....		\$65,000 00	
To State's Attorney.	\$14,181 04		
" clerk	17,184 80		
" Sheriff.	12,427 40		
" bailiffs	7,500 00		
" attorneys	805 00		
" Grand Jury.....	8,410 50		
" petit "	6,172 50		
" Board of Jurors	590 05		
" witnesses	614 25		
" expert testimony.	180 00		
" interpreters	43 50		
" stenographers	733 92		
" analytical chemists.	400 00		
" detective expenses.....	281 79		
" railroad fare	26 05		
" stationery for Grand Jury.....	181 24		
" printing jury lists	50 25		
" city directories	12 00		
" excess of expenditures over appropriation....		4,794 29	
	<u>\$69,794 29</u>		<u>\$69,794 29</u>

SUPERIOR COURT.

By appropriation		\$15,000 00
To clerk	\$ 1,979 95	
“ Sheriff	470 90	
“ bailiffs	4,500 00	
“ janitor	420 00	
“ stenographer	1,640 00	
“ jurors	6,105 00	
“ stationery	116 10	
“ city directories	18 00	
“ excess of expenditures over appropriation....		249 95
	<hr/>	<hr/>
	\$15,249 95	\$15,249 95

BALTIMORE CITY COURT.

By appropriation		\$13,000 00
To clerk	2,268 30	
“ bailiffs	4,500 00	
“ stenographers	1,281 66	
“ habeas corpus	624 65	
“ interpreters	55 50	
“ jurors	5,997 00	
“ advertising	54 65	
“ stationery	193 75	
“ city directories	12 00	
“ excess of expenditures over appropriation....		1,987 51
	<hr/>	<hr/>
	\$14,987 51	\$14,987 51

CIRCUIT COURT.

By appropriation		\$4,500 00
To bailiffs	\$3,000 00	
“ clerk	254 95	
“ watchman	900 00	
“ stationery	47 85	
“ surplus	297 20	
	<hr/>	<hr/>
	\$4,500 00	\$4,500 00

CIRCUIT COURT No. 2.

By appropriation		\$2,500 00
To bailiffs	\$1,500 00	
“ clerk	80 75	
“ watchman	900 00	
“ stationery	67 15	
“ counties	25 00	
“ excess of expenditures over appropriation....		72 90
	<hr/>	<hr/>
	\$2,572 90	\$2,572 90

ORPHANS' COURT.

By appropriation		\$8,000 00
To judges	\$5,454 00	
“ bailiffs	1,212 00	
“ surplus	1,334 00	
	<hr/>	<hr/>
	\$8,000 00	\$8,000 00

COURT OF COMMON PLEAS.

By appropriation.....		\$14,000 00
To bailiffs.....	\$4,500 00	
“ clerk.....	1,347 30	
“ Sheriff.....	364 30	
“ watchman.....	1,000 01	
“ stenographer.....	20 00	
“ jurors.....	5,721 00	
“ habeas corpus.....	236 30	
“ stationery and printing.....	51 50	
“ City Directory.....	6 00	
“ surplus.....	753 59	
	<hr/>	<hr/>
	\$14,000 00	\$14,000 00

MAGISTRATES.

By appropriation.....		\$17,500 00
To amount paid magistrates.....	\$16,762 30	
“ “ substitutes.....	326 04	
“ balance.....	411 66	
	<hr/>	<hr/>
	\$17,500 00	\$17,500 00

TABLE G.

ELECTIONS.

By appropriation.....		\$31,000 00
To advertising.....	\$5,661 88	
“ printing.....	2,119 88	
“ books and stationery.....	551 64	
“ election booths.....	5,131 25	
“ ballot boxes.....	1,470 00	
“ copies election laws, Secretary of State.....	21 00	
“ insurance and storage election booths.....	125 59	
“ Sheriff, cost in petitions.....	90 80	
“ incidentals and extra clerical work.....	66 71	
“ rent of hall and instructing judges.....	50 00	
“ salaries of judges and clerks.....	5,470 10	
“ rent of rooms.....	3,041 00	
“ balance.....	7,200 15	
	<hr/>	<hr/>
	\$31,000 00	\$31,000 00

REGISTRATION.

By appropriation.....		\$55,000 00
To advertising.....	\$ 7,119 96	
“ printing.....	4,046 30	
“ books and stationery.....	1,325 00	
“ surveying boundaries of wards, maps, etc....	125 98	
“ furniture.....	12 50	
“ typewriting.....	32 20	
“ costs, petitions Superior Court.....	234 40	
“ additional counsel Superior Court.....	100 00	
“ extra clerical work correcting lists.....	191 00	
“ salaries, registrars.....	32,592 00	
“ room rents.....	6,061 50	
“ incidentals.....	46 55	
“ balance.....	3,112 61	
	<hr/>	<hr/>
	\$55,000 00	\$55,000 00

TABLE H.

RENTALS ON CITY PROPERTY FOR 1896.

By appropriation		\$46,000 00	
“ ground rents collected		542 83	
“ “ “ due and unpaid January 1st, 1897		423 50	
“ excess of appropriation		202 77	
To ground rents, 1895	\$ 229 50		
“ “ “ 1896	46,639 60		
“ rent of dog pound	300 00		
		<hr/>	
		\$47,169 10	\$47,169 10

RENTALS ON CITY PROPERTY FOR 1896.

Grammar School No. 1, ground rent	\$ 204 00
“ “ 2, “	244 44
“ “ 3, “	1,900 00
“ “ 4, “	1,176 75
“ “ 5, “	600 00
“ “ 6, “	800 00
“ “ 7, “	350 00
“ “ 8, “	700 00
“ “ 10, “	175 00
“ “ 11, “	19 00
“ “ 12, “	620 62
“ “ 13, “	25 00
“ “ 15, “	400 00
“ “ 16, “	350 00
“ “ 17, “	581 25
“ “ 18, “	830 68
“ “ 19, “	1,020 00
“ “ 21, “	620 00
Primary School No. 2, “	250 00
“ “ 1, “	150 00
“ “ 4, “	210 00
“ “ 5, “	600 00
“ “ 6, “	157 50
“ “ 8, “	351 34
“ “ 10, “	200 00
“ “ 11, “	757 00
“ “ 12, “	268 00
“ “ 13, “	530 00
“ “ 14, “	840 00
“ “ 15, “	700 00
“ “ 16, “	790 00
“ “ 17, “	217 00
“ “ 18, “	315 00
“ “ 20, “	592 00
“ “ 21, “	384 00
“ “ 22, “	177 50
“ “ 23, “	150 00
“ “ 26, “	126 00

Carried forward \$18,382 08

<i>Brought forward</i>		\$18,382 08
Primary School No. 27, ground rent.....		274 50
" " 28, " 		270 00
" " 29, " 		570 00
" " 30, " 		750 00
" " 31, " 		228 00
English Grammar " 1, " 		1,297 50
" " 2, " 		372 50
" " 3, " 		300 00
Public School " 18, " 		1,155 00
Eastern Female High School, ground rent.....		615 90
Western " " " " 		1,188 00
Female Grammar and Primary School No. 1, ground rent.....		1,094 75
Manual Training School, ground rent.....		220 00
Colored High and Grammar School No. 1, ground rent.....		600 00
Colored School No. 2, ground rent.....		225 00
" " 3, " 		312 00
" " 4, " 		70 00
" " 5, " 		70 00
" " 6, " 		300 00
" " 7, " 		480 00
" " 8, " 		130 00
" " 9, " 		630 00
Annex School " 7, " 		22 50
" " 8, " 		480 00
" " 10, " 		360 00
" " 11, " 		290 00
" colored, No. 1, ground rent.....		50 00
Hook and Ladder No. 1, ground rent.....		100 00
Engine House " 2, " 		62 50
" " 3, " 		150 00
" " 6, " 		62 00
" " 7, " 		156 00
" " 12, " 		150 00
" " 11, " 		123 75
" Annex, No. 1, ground rent.....		61 50
" " " 2, " 		72 00
" " " 4, " 		75 00
" " " 6, " 		40 00
Old City Hall, ground rent.....		306 00
Baltimore City College, ground rent.....		4,600 00
Lot on Stiles street, ground rent.....		160 00
Lot on Great Hughes street, ground rent.....		37 50
Northeast Market, ground rent.....		1,200 00
Lexington Market, ground rent.....		228 00
Cross Street Market, ground rent.....		974 00
City Hall, ground rent.....		56 00
Central Police Station, ground rent.....		120 00
Riverside Park, ground rent.....		3,770 62
Collington Square, ground rent.....		960 00
Perkins Spring, ground rent.....		2,052 00
Carey street and Columbia avenue, ground rent.....		385 00

 \$46,639 60

Of this amount Finance Commissioners receive \$18,782.12.

TABLE I.
JUDGMENTS AND SUITS.

To suit—Safety Insulated Wire and Cable Com-		
pany.....	\$	259 93
“ “ Baltimore, Catonsville and Ellicott Mills		
Passenger Railway Company.....		85 00
“ “ A. S. Lee.....		100 00
“ “ Safe Deposit and Trust Company.....		85 10
“ “ P. Coffey.....		372 14
“ “ Margaret Wilgand.....		450 00
“ “ Catherine Cromwell.....		320 65
“ “ C. V. Grinnell.....		2 50
“ “ Armager and Flagg.....		10 00
“ “ Isaac S. Filbert.....		217 02
“ “ N. H. Creager.....		600 00
“ “ J. H. Schnitzer.....		12 00
“ “ C. F. Greifzer.....	1,619	90
“ “ Patrick Reddington.....		5 65
“ “ James E. Fogarty.....		7 60
“ “ Boston Fear.....		42 85
“ “ H. W. Wilcox.....		597 48
“ “ H. Schmitka.....		144 50
“ “ John Miller.....		107 95
“ “ Lena Eberhardt.....		10
“ “ Mary Bach.....		280 00
“ “ Catherine Smith.....		6 40
“ “ Slingluff.....	1,605	24
“ “ Gaither.....		14 35
“ “ Fernheimer.....		10 00
“ “ Winter.....		33 00
Witnesses.....		274 15
Professional services (medical).....		125 00
Advertising, printing and stationery.....		163 60
Docket and calendar.....		112 50
Examining titles.....		7 40
Traveling expenses.....		168 38
Telephone “.....		112 22
Release from damages.....		57 30
Laws of Maryland.....		5 00
By N. H. Creager.....	\$	80 00
“ Slingluff.....		197 60
“ costs returned, Mutual Fire Insurance Com-		
pany.....		9 55
“ costs returned, Frick.....		23 45
“ “ judgment Mary Simpson.....		8 54
“ balance.....		7,695 77
	<hr/>	<hr/>
	\$8,014 91	\$8,014 91

TABLE J.
CITY COUNCIL.

By appropriation to diary.....		\$60,000 00
To members salaries.....	\$33,416 66	
“ clerks.....	15,699 36	
“ J. B. Kurtz, city printer.....	3,500 00	
“ carriage hire.....	152 00	
“ stationery, etc.....	3,354 93	
“ 9 reporters of press.....	1,350 00	
“ J. Sewell Thomas, Secretary Ways and Means Committee.....	600 00	
“ M. and M. T. Sheehan, account Joint Commit- tee on Harbor.....	56 65	
“ Joint Committee Electrical Subways, expenses to Annapolis.....	14 60	
“ entertaining First Defenders.....	220 09	
“ S. C. Malone, engrossing resolution on J. H. Smith.....	125 00	
“ James E. Wilkinson, stenographer, Tomz vs. Minifie.....	205 00	
“ typewriting and Justice Rab.....	20 00	
“ J. S. Jones, attorney, Livingston vs. Stewart... ..	100 00	
“ G. R. Gaither, “ “ “ ..	100 00	
“ copies of Code, ..	140 00	
“ advertising.....	3 95	
“ Joint Special Committee, expenses to Annapolis	72 00	
“ balance to general fund.....	869 76	
	<hr/>	
	\$60,000 00	\$60,000 00

TABLE K.
PARK BOARD.

By balance January 1, 1896.....		\$ 4,703 47
“ passenger railway receipts, as follows:		
“ City Passenger Railway Company		92,272 30
“ Baltimore Traction Company		79,622 25
“ City and Suburban Railway Company....		58,022 83
“ Central Railway Company.....		13,979 51
“ revenue from parks		5,506 70
“ balances from squares.....		1,185 25
To appropriation to squares	\$ 24,309 82	
“ expenditures.....	226,343 64	
“ balance January 1, 1897	4,638 85	
	<hr/>	
	\$255,292 31	\$255,292 31

The above account covers the following: Druid Hill Park, Patterson Park, Clifton Park, Riverside Park, Federal Hill Park, Carroll Park, Mt. Royal Terrace, Johnson Park, Collington Park.

PATTERSON PARK EXTENSION.

By balance January 1, 1896		\$509 81
To amount paid.....	\$408 63	
“ balance.....	101 18	
	<hr/>	
	\$509 81	\$509 81

BALTIMORE CITY PASSENGER RAILWAY COMPANY.

<i>Three Months previous to</i>	1893.	1894.	1895.	1896.
January	\$16,266 83	\$19,544 87	\$24,536 80	\$24,415 01
April	13,960 20	17,444 66	20,558 93	21,566 24
July	16,473 71	22,887 09	25,270 69	25,315 22
October	20,153 06	24,964 06	25,383 21	20,975 83
	<hr/>	<hr/>	<hr/>	<hr/>
	\$66,853 80	\$84,840 68	\$95,749 63	\$92,272 30

BALTIMORE TRACTION COMPANY.

<i>Three Months previous to</i>	1893.	1894.	1895.	1896.
January	\$23,995 10	\$19,065 95	\$16,619 52	\$18,539 86
April	20,266 53	14,594 67	14,919 09	16,855 58
July	23,729 61	16,031 13	18,347 33	21,604 82
October	21,034 27	16,207 11	18,899 86	21,596 60
	<hr/>	<hr/>	<hr/>	<hr/>
	\$89,025 51	\$65,898 86	\$68,785 80	\$78,596 86
Curtis Bay				1,025 39

CENTRAL RAILWAY COMPANY.

<i>Three Months previous to</i>	1893.	1894.	1895.	1896.
January	\$4,806 19	\$4,766 46	\$4,051 25	\$3,686 14
April	4,380 98	4,302 25	3,496 59	3,239 99
July	5,108 91	4,511 77	3,708 57	3,630 37
October	4,467 29	3,892 22	3,724 28	3,423 01
	<hr/>	<hr/>	<hr/>	<hr/>
	\$18,763 37	\$17,472 70	\$14,980 69	\$13,979 51

CITY AND SUBURBAN RAILWAY COMPANY.

<i>Three Months previous to</i>	1893.	1894.	1895.	1896.
January	\$6,837 64	\$9,553 33	\$10,366 43	\$14,458 75
April	6,580 55	8,897 40	10,022 00	12,317 49
July	8,178 27	10,472 86	13,739 22	15,166 27
October	8,514 82	10,897 40	16,439 33	16,080 32
	<hr/>	<hr/>	<hr/>	<hr/>
	\$30,111 28	\$39,820 99	\$50,566 98	\$58,022 83

LAKE ROLAND ELEVATED RAILWAY COMPANY.

<i>Three months previous to</i>	1893.	1894.	1895.	1896.
January	\$ 402 20	\$3,155 08	\$3,107 72	.....
April	298 78	2,546 46	976 67	.....
July	2,966 04	3,658 25	.....	.....
October	4,503 55	4,066 14	.....	.....
	<hr/>	<hr/>	<hr/>	<hr/>
	\$8,170 57	\$13,425 93	\$4,084 39	.....

TABLE L.

BROADWAY SQUARES—FIRST DIVISION.

By balance January 1st, 1896.....		\$ 67 45
“ appropriation from Park Board.....		1,932 55
To keeper's salary.....	\$605 00	
“ labor.....	496 32	
“ flowers and trees.....	494 65	
“ sods.....	7 20	
“ cement walk.....	250 00	
“ tools and repair work.....	17 05	
“ balance to Park Board.....	129 78	
	<hr/>	
	\$2,000 00	\$2,000 00

Commissioners { Edward C. Claus,
William Cowan,
Alex. McClintock.

BROADWAY SQUARES—SECOND DIVISION.

By balance January 1st, 1896.....		\$ 174 78
“ appropriation from Park Board.....		1,592 22
To keeper's salary.....	\$660 00	
“ labor.....	379 58	
“ flowers.....	332 96	
“ sods and fertilizers.....	95 40	
“ repair work (City Commissioner).....	167 80	
“ tools and repairs.....	24 21	
“ balance to Park Board.....	107 05	
	<hr/>	
	\$1,767 00	\$1,767 00

Commissioners { Wm. H. McElroy.
Louis Zink,
Chas. F. Henderson.

BROADWAY SQUARES—THIRD DIVISION.

By balance January 1, 1896.....		\$ 161 80
“ appropriation from Park Board.....		1,738 20
To keeper's salary.....	\$579 00	
“ labor.....	509 98	
“ flowers.....	645 50	
“ sods and dirt.....	25 00	
“ cement work.....	30 00	
“ storage and tools.....	22 50	
“ tools and repairs.....	19 25	
“ Water Department repair work.....	24 81	
“ ice.....	6 25	
“ balance to Park Board.....	37 71	
	<hr/>	
	\$1,900 00	\$1,900 00

Commissioners { Edward W. Waters,
Adam News, Jr.,
George E. Saville.

EUTAW SQUARES—FIRST DIVISION.

By balance January 1, 1896		\$ 11 24
“ appropriation from Park Board.....		1,588 76
To keeper's salary.....	\$550 00	
“ labor.....	30 00	
“ flowers.....	761 43	
“ sods and brush.....	6 00	
“ repairs of fountain.....	70 69	
“ hose.....	34 80	
“ rent of lot.....	45 00	
“ tools and repairs.....	21 08	
“ balance to Park Board.....	81 00	
	<hr/>	
	\$1,600 00	\$1,600 00

Commissioners { Charles H. Carter,
William T. Levering,
A. C. Trippe.

EUTAW SQUARES—SECOND DIVISION.

By balance January 1, 1896.....		\$ 50 53
“ appropriation from Park Board.....		1,749 47
To keeper's salary.....	\$550 00	
“ labor.....	82 65	
“ flowers and trees.....	706 30	
“ fertilizers.....	70 75	
“ painting.....	120 00	
“ repairs of fountain.....	55 40	
“ cement work.....	29 00	
“ vases and border.....	20 10	
“ rent of tool house.....	60 00	
“ tools and repairs.....	32 40	
“ hose.....	11 75	
“ balance to Park Board.....	61 65	
	<hr/>	
	\$1,800 00	\$1,800 00

Commissioners { A. H. Russell,
E. N. Wood,
George J. Popplein.

FULTON AVENUE SQUARES AND BAKER CIRCLE.

By balance January 1, 1896.....		\$ 76 32
“ appropriation from Park Board.....		1,923 68
To keeper's salary.....	\$ 825 00	
“ labor.....	415 00	
“ flowers and seed.....	573 40	
“ sods and manure.....	1 70	
“ rent of tool house.....	60 00	
“ tools and repairs.....	47 00	
“ ice.....	2 90	
“ balance to Park Board.....	75 00	
	<hr/>	
	\$2,000 00	\$2,000 00

Commissioners { William J. Miller,
J. H. Menslage,
Thomas F. Locke.

EASTERN FOUNTAIN.

By balance January 1, 1896.....		\$	174	92
“ appropriation from Park Board.....			825	08
To keeper's salary.....	\$	550	00	
“ flowers.....		200	00	
“ dirt.....		1	00	
“ pruning and trimming trees.....		40	00	
“ repairs to fountain.....		25	40	
“ “ of paving.....		49	45	
“ tools and repairs ..		35	38	
“ coal and wood ..		8	50	
“ balance to Park Board.....		90	27	
		\$1,000	00	\$1,000 00

Commissioners { John W. Cruett,
George Courtney,
Emil Hesse.

HARLEM PARK.

By balance January 1, 1896.....		\$	4	59
“ appropriation from Park Board.....			2,495	41
To keeper's salary.....	\$1,040	00		
“ labor.....	1,076	25		
“ seed and plants.....	35	30		
“ sods, dirt and manure.....	214	00		
“ ice.....	10	50		
“ repairs, tools, walks, etc.....	48	67		
“ trays.....	15	00		
“ twelve tons coal.....	60	00		
“ balance to Park Board.....		28		
		\$2,500	00	\$2,500 00

Commisssoners { W. P. Reese,
E. A. Holmes,
G. W. Jones.

LAFAYETTE SQUARE.

By balance January 1, 1896.....		\$	15	32
“ appropriation from Park Board.....			1,484	68
To keeper's salary.....	\$720	00		
“ labor.....	181	50		
“ flowers and seed.....	340	74		
“ sods, dirt and manure.....	55	00		
“ painting and glazing.....	115	48		
“ repairs to fountain.....	29	36		
“ tools and repairs.....	26	29		
“ coal and wood.....	7	75		
“ cement work.....	20	68		
“ balance to Park Board.....		3	20	
		\$1,500	00	\$1,500 00

Commissioners { W. C. Sanderson,
H. G. Vickery,
D. H. Stevenson.

JACKSON SQUARE.

By balance January 1, 1896		\$132 66
“ appropriation from Park Board.....		867 34
To keeper's salary.....	\$600 00	
“ flowers.....	258 86	
“ sods and manure.....	6 50	
“ hose.....	15 00	
“ tools and repairs.....	20 15	
“ balance to Park Board.....	99 49	
	<hr/>	<hr/>
	\$1,000 00	\$1,000 00

Commissioners { Howard D. Adams,
B. Frank,
William G. Dougherty.

TANEY PLACE SQUARE.

By balance January 1, 1896		\$ 14 64
“ appropriation from Park Board.....		235 36
To flowers.....	\$153 82	
“ painting.....	30 00	
“ tools and repairs.....	13 05	
“ manure.....	9 00	
“ keeper's salary, \$200 paid from general salary account.		
“ balance to Park Board.....	44 13	
	<hr/>	<hr/>
	\$250 00	\$250 00

Commissioners { A. B. Clarke,
Frank P. Clarke,
Joseph S. West.

PARK PLACE SQUARE.

By balance January 1, 1896.....		\$276 54
“ appropriation from Park Board.....		623 46
To keeper's salary.....	\$275 00	
“ labor.....	2 25	
“ flowers, trees and seed.....	404 40	
“ painting.....	47 00	
“ cement work.....	11 55	
“ tools and repairs.....	8 80	
“ manure, sods and dirt.....	40 50	
“ balance to Park Board.....	110 50	
	<hr/>	<hr/>
	\$900 00	\$900 00

Commissioners { J. F. Parlett,
J. O. Bates,
M. E. Fuld.

ASHLAND SQUARE.

By balance January 1, 1896.....		\$27 80	
“ appropriation from Park Board.....		72 20	
To keeper's salary.....	\$49 94		
“ flowers.....	35 06		
“ painting.....	14 00		
“ balance to Park Board.....	1 00		
	<hr/>	<hr/>	
	\$100 00		\$100 00

Commissioners { Jas. Sapp,
Edward Medinger,
Richard S. Bridge.

PERKINS SPRING SQUARE.

By appropriation from Park Board		\$1,500 00	
To keeper's salary.....	\$ 770 00		
“ labor.....	64 50		
“ flowers, etc.....	53 30		
“ sods, dirt, etc.....	19 60		
“ repairs of fountain.....	102 62		
“ five granite bases.....	115 00		
“ painting and glazing.....	48 50		
“ repairs of hot-house.....	86 43		
“ cement work.....	48 50		
“ hose.....	22 50		
“ 12 tons coal.....	64 20		
“ tools and repairs of same.....	14 08		
“ balance to Park Board.....	90 77		
	<hr/>	<hr/>	
	\$1,500 00		\$1,500 00

Commissioners { Joseph Harris,
J. Frank Wilhelm,
Joseph W. Dell.

MADISON SQUARE.

By balance January 1, 1896.....		\$ 187 18	
“ appropriation from Park Board.....		1,312 82	
To keeper's salary.....	\$550 00		
“ labor.....	348 00		
“ flowers and seed.....	245 18		
“ sods, dirt, etc.....	81 00		
“ painting.....	75 00		
“ cement work.....	25 00		
“ tools and repairs.....	18 79		
“ coal and wood.....	4 25		
“ balance to Park Board.....	152 78		
	<hr/>	<hr/>	
	\$1,500 00		\$1,500 00

Commissioners { C. D. Davis,
John H. Hoeck,
John Solter.

UNION SQUARE.

By balance January 1, 1896.....		\$ 14 62
“ appropriations from Park Board.....		985 38
To keeper's salary.....	\$600 00	
“ labor.....	6 00	
“ flowers and seed.....	76 00	
“ sods and manure.....	29 65	
“ painting.....	120 50	
“ vases.....	88 00	
“ tools and repairs.....	38 97	
“ removing trees, etc.....	23 00	
“ repairs of paving.....	5 50	
“ “ “ spring house.....	4 00	
“ “ “ fountain.....	8 35	
“ balance to Park Board.....	03	
	<hr/>	<hr/>
	\$1,000 00	\$1,000 00

Commissioners { Lewis Kalling,
A. J. Fairbank,
W. N. Smith.

FRANKLIN SQUARE.

By balance January 1, 1896.....		\$ 73 56
“ appropriation from Park Board.....		1,126 44
To keeper's salary.....	\$550 00	
“ labor.....	81 83	
“ flowers and trees.....	237 17	
“ sods and soil.....	113 75	
“ Water Department repair work.....	20 97	
“ painting.....	91 00	
“ cement work.....	18 00	
“ tools and repairs.....	41 14	
“ ice.....	4 75	
“ coal and wood.....	3 25	
“ balance to Park Board.....	38 14	
	<hr/>	<hr/>
	\$1,200 00	\$1,200 00

Commissioners { J. W. Bowers,
J. D. Norris,
John F. Adams.

MT. ROYAL AVENUE SQUARES.

By balance January 1, 1896.....		\$230 95
“ appropriation from Park Board.....		519 05
To keeper's salary.....	\$408 00	
“ labor.....	201 75	
“ grass seed.....	19 25	
“ tool-room rent.....	90 00	
“ tools and repairs.....	24 40	
“ balance to Park Board.....	6 60	
	<hr/>	<hr/>
	\$750 00	\$750 00

Commissioners { H. E. Baltzell,
Michael Jenkins,
R. W. Templeman.

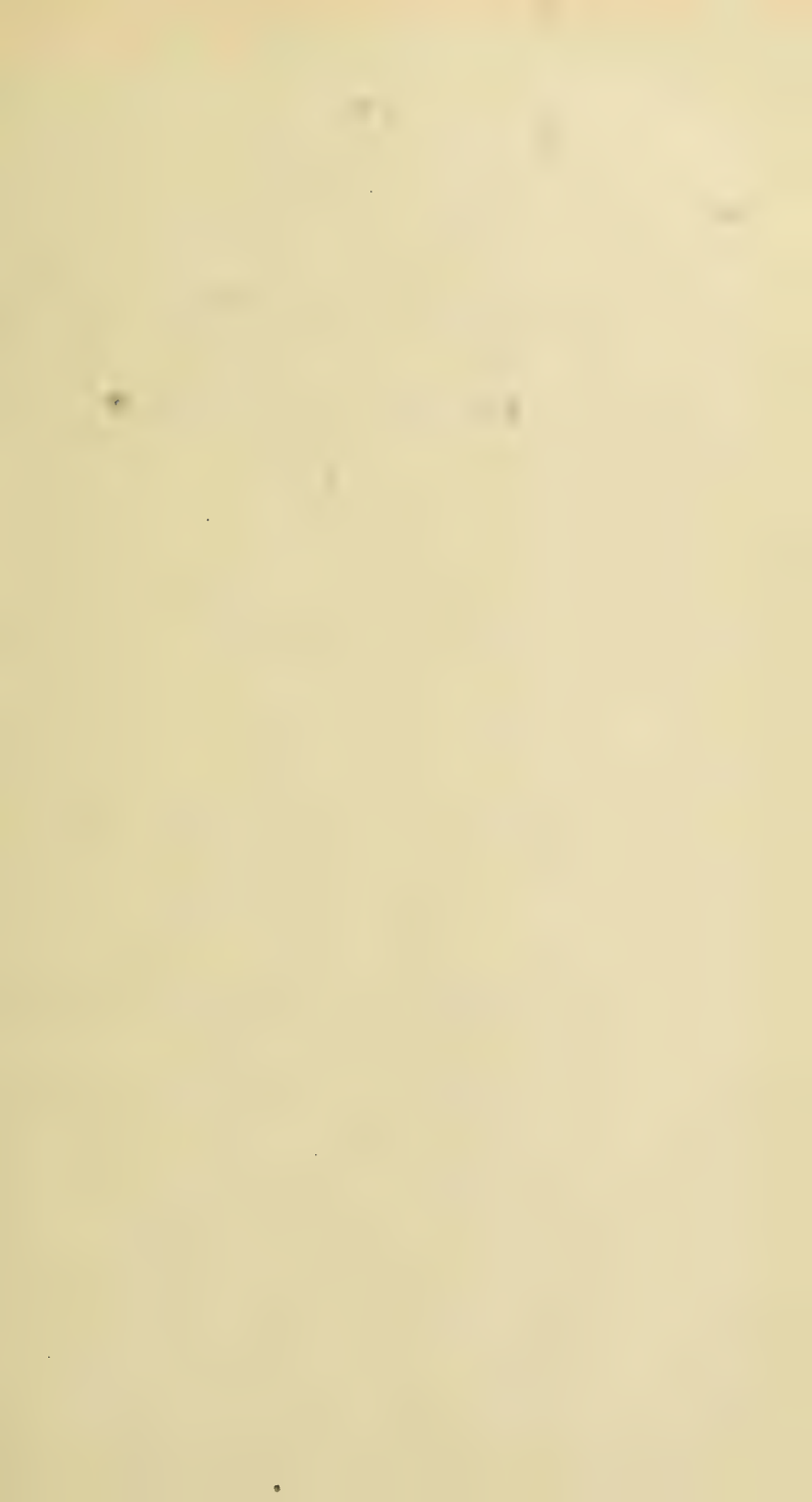
WILKENS AVENUE SQUARE.

By balance January 1, 1896.....		\$ 262 28
“ appropriation from Park Board.....		1,737 72
To keeper's salary.....	\$600 00	
“ labor and watchman.....	576 18	
“ flowers, etc.....	570 58	
“ sods and manure.....	28 50	
“ painting.....	41 20	
“ iron work.....	35 12	
“ rent of cellar.....	24 00	
“ “ office.....	12 00	
“ meat.....	6 90	
“ hauling.....	23 50	
“ tools and repairs.....	26 15	
“ balance to Park Board.....	55 87	
	<hr/>	<hr/>
	\$2,000 00	\$2,000 00

Commissioners { Frederick I. Cahill,
Gustav Siegmund,
Edward Andrews.

COMPARATIVE STATEMENT OF EXPENDITURES ON PUBLIC SQUARES.

	1896.	1895.
Perkins Spring Square.....	\$1,409 23	\$1,500 00
Franklin “.....	1,161 86	1,426 44
Union “.....	999 97	1,185 38
Lafayette “.....	1,496 80	1,984 68
Madison “.....	1,347 22	2,279 16
Eastern Fountain “.....	909 73	1,325 08
Broadway Squares, first division.....	1,870 22	2,932 55
“ “ second division.....	1,659 95	1,825 22
“ “ third “.....	1,862 29	2,838 20
Eutaw “ first “.....	1,519 00	1,788 76
“ “ second “.....	1,738 35	1,949 47
Harlem Park.....	2,499 72	3,995 41
Fulton Avenue Squares and Baker Circle.....	1,925 00	3,423 68
Wilkins “.....	1,944 13	2,237 72
Taney Place “.....	205 87	285 36
Jackson Place “.....	900 51	1,267 34
Mt. Royal Avenue Square.....	743 40	2,769 05
Ashland “.....	99 00	122 20
Park Place “.....	789 50	1,223 46
Mt. Vernon “.....		1,600 00
	<hr/>	<hr/>
	\$25,081 75	\$37,959 16



ANNUAL REPORT

— OF THE —

CITY LIBRARIAN

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.

REPORT.

CITY LIBRARY,

BALTIMORE, December 31st, 1896.

To the Honorable the Mayor and City Council of Baltimore :

GENTLEMEN: In submitting the following report of the Library for the year 1896, I beg to state, that inasmuch as I was placed in charge on November 25th, barely one month ago, such a report can be but little more than a mere statement of the accounts and business of the Library, together with suggesting a few changes which seem to me to be desirable for improving the efficiency of the department. The system of keeping the accounts appears to be particularly bad, since no double-entry accounts are kept with the contractors; the bills are not entered on the day-book on the date of each bill, but on the date of the requisition, which is always from two to ten days prior to the date of the bill, and in the case of the chief contractor the bills are never sent with the goods. This necessitates a great deal of useless work and loss of time, with consequent confusion.

I have found some bills paid, while others dated months previous are, apparently, unpaid, and no way to ascertain whether these bills might not have been paid, except by a long search.

A plan for keeping the books of the Library has been submitted to the Comptroller, and meets with his approval.

The Librarian is required by law "to carefully index in a book all the books, documents records and papers of said Library."

I find no such index or catalogue. There is a list of the cases in the Library proper and the contents of each case; also a list of the rooms above the Library and a partial list of contents, but no means of finding out whether any particular book, pamphlet or record is in the Library, except by going over a number of lists or by relying on the memory.

As soon as possible a card catalogue of subjects and authors

will be started. The nine rooms over the Library proper are not only very much crowded (with one exception) but are in very bad order; still, I think that by utilizing all the space in the large room back of the First Branch gallery, sufficient room may be acquired to free some of the other rooms from the accumulation of books and rubbish which now cover the floors. This will lessen the difficulty of finding publications, records, etc., which (according to the list) should be in a certain room, but which, in some cases, the Assistant Librarian tells me he has searched for in vain. Under authority of Resolution No. 93, approved July 2, 1896, this room, as well as room known as No. 5, have been fitted up with shelving and cases, and the work of clearing some of the other rooms will begin at once.

The Plat Room seems to be most frequently consulted, and for this reason I shall endeavor to make some arrangement by which the maps and plats may be more quickly found, thereby saving much wear and tear. A card catalogue will be begun, showing on one card all the work done on one street, etc.

A number of old records and publications pertaining to the early history of Baltimore have been found in different parts of the Library. These have been collected together, and as soon as practicable will be placed in shape for future reference and catalogued.

There were twenty applicants for proposals for supplying the several city departments with blank books, stationery and printed matter for the year 1897. The following firms were bidders: J. W. Bond Co.; J. H. Drechsler; W. J. C. Dulany Co.; Friedenwald Co.; Guggenheimer, Weil & Co.; Hirshberg, Hollander & Co.; Kohn & Pollock; J. Murphy & Co.; Reliance Printing Co.; Young & Selden; F. Weber & Co.; Willard-Ashe Co.; of these the Reliance Printing Co. and the Willard-Ashe Co. withdrew their bids.

Contracts were awarded to J. W. Bond Co.; J. H. Drechsler; W. J. C. Dulany Co.; Friedenwald Co.; Guggenheimer, Weil & Co.; Hirshberg, Hollander & Co.; Kohn & Pollock; J. Murphy & Co.

Upon December 31, 1895, according to the report of the previous Librarian, this Library contained in round numbers a total of 30,000 volumes manuscript records, bound books and printed matter. During the year there have been added, as far as can be ascertained from the data at my disposal, 2,000, making a total of 32,000. Until the Library is thoroughly overhauled, this is only an approximation.

During the year, 374 visitors have registered their names. There have been given out 992 orders on contractors, while the city officials have made 677 requisitions for supplies, the cost of which will be found charged to their respective departments in an annexed statement.

The supplies for 198 assessors, as well as for the Board of Control and Review, were bought through the Library. The change of administration, especially in the latter part of November and in the early part of December, has also thrown a great deal of extra work and expense on the Library.

PUBLICATIONS RECEIVED DURING THE YEAR.

FOREIGN PUBLICATIONS.

Argentine Republic.—Argument for the same upon the question with Brazil in regard to the Territory of Misiones.

Canada.—City of Montreal, Annual Reports, 1894.

England.—"Cocoa"; all about it by Historicus, London, 1896.

Germany.—City of Berlin, Annual Reports, April 1st, 1893, to March 3d, 1894.

Guatemala.—A descriptive account of the Republic of Guatemala, 1893.

GOVERNMENT PUBLICATIONS.

Agricultural Department.—Bulletin No. 10—"Timber"—an elementary discussion of the characteristics and properties of wood, 1896.

Chief Engineer United States Army, Annual Reports, 1895, six volumes.

Bureau of Education.—Commissioner's Annual report, 1892, Vol. I, three copies; Commissioner's Annual Report, 1893-94, Vol. II; Commissioner's Annual Report, 1894-95, Vol. I.

State Department.—Bulletins Nos. 2, 3, 4, 5, 6, 1896; Commissioner's Annual Report, Vol. I, 1894; Special Report, "Housing of Working People," 1895.

Interstate Commerce.—Commissioner's Ninth Annual Report, 1895.

State Department.—Consular Reports Nos. 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194; Special Consular Reports, Vol. XIII, Part 1, 1895, "Money and Prices in Foreign Countries." Review of the World's Commerce, 1894-95; Commercial Relations, Vol. I, 1894-95, Reviewing Africa, America, Asia and Australia.

STATE PUBLICATIONS.

From State Librarian.—Laws of Maryland, 1896, two copies; Assessment Laws of Maryland, 1896, sixteen copies; Maryland Reports, Vol. 81, 1895.

Maryland Hospital for the Insane, Annual Report, 1895.

Maryland Penitentiary, Annual Report, 1895.

Maryland School for Deaf and Dumb, Ninth Biennial Report, 1895.

Appeal Tax Court.—Appeals “A” to “Z,” 1887; twenty wards, 1890; six Assessment Books, Stubs Real Estate, 1894; three Assessment Books, 1895, unused; twenty packages of Appeal Applications, 1891; nineteen packages of Appeal Applications, 1893; Annual Report, 1895, two copies.

Baltimore City Jail.—Annual Report, 1895, two copies.

Bay View Asylum.—Annual Report, 1895, two copies.

Board of Supervisors.—Ward and Precinct Maps and Descriptive Pamphlet of the several Election Districts.

City Attorney.—Ordinances and Resolutions, 1889-90; Ordinances and Resolutions, 1890-91.

City Collector.—Annual Report, 1895, two copies; Bailiff's Record Book, Real, 1877, one copy; Bailiff's Record Book, Real and Personal, 1878, three copies; Bailiff's Record Book, Real and Personal, 1879, three copies; Bailiff's Record Book, Real and Personal, 1880, two copies; Bailiff's Record Book, Real, 1881, one copy; Bailiff's Record Book, Personal, 1882, one copy; Bailiff's Record Book, Real and Personal, 1883, two copies; Bailiff's Record Book, Real and Personal, 1884, two copies; Bailiff's Record Book, Real and Personal, 1885, two copies; Bailiff's Record Book, Real and Personal, 1886, four copies; Bailiff's Record Book, Personal, 1887, one copy; Bailiff's Record Book, Real and Personal, 1888, two copies; Bailiff's Record Book, Real and Personal, 1889, two copies; Bailiff's Record Book, 1890, Real and Personal, two copies; Bailiff's Record Book, Personal, 1891, one copy; Bailiff's Record Book, Real and Personal, 1892, two copies; Bailiff's Record Book, Real and Personal, 1893, two copies; Bailiff's Record Book, Real and Personal, 1894, two copies; Bailiff's Record Book, Real and Personal, 1895, two copies; Real and Personal Cash Books, 1877, ten copies; Real and Personal Cash Books, 1878, ten copies; Real and Personal Cash Books, 1879, ten copies; Real and Personal Cash Books, 1880, ten copies; Real and Personal Cash Books, 1881, nine copies;

Real and Personal Cash Books, 1882, nine copies; Real and Personal Cash Books, 1883, twelve copies; Real and Personal Cash Books, 1884, sixteen copies; Real and Personal Cash Books, 1885, ten copies; Real and Personal Cash Books, 1886, twelve copies; Real and Personal Cash Books, 1887, six copies; Real and Personal Cash Books, 1888, eight copies; Real and Personal Cash Books, 1888-89, ten copies; Real and Personal Cash Books, 1889, eight copies; Real and Personal Cash Books, 1890, six copies; Real and Personal Cash Books, 1891, eleven copies; two small Day Books; one Journal; one small Ledger; four Annex Record Books; six small Blank Books; two Survey Books, 1890-91; four old Directories, 1884-86.

City Comptroller.—Annual Reports, 1895, two copies; Plats and Condemnation Books: Henry street from Randall to Fort avenue; Northwest street from Calhoun to Fulton avenue; Cannon street from Lancaster to Eastern avenue; Luzerne street from Canton avenue to Eastern avenue; Luzerne street from Hudson street to Boston street; Fourth street from south of Fort avenue; Patapsco street from Ostend to West street; Bruce alley from Baker street to North avenue; Madison street from Washington street to Patterson Park avenue; Randall street from Covington street to Webster street; Clement street from Hanover street to Race street; Webster street from Randall street to Fort avenue; Port alley from Baltimore street to Fairmount avenue; Collington avenue from Monument street to Biddle street. Street Plats and Books: Penn street opening from Haw street to Fremont avenue; Covington street opening from Cross street to Fifth lane; Eutaw street opening at its intersection with Biddle street; Jew alley closing from North to Marion street.

City Register.—Check Stubs, National Mechanics' Bank, Nos. 1 to 500, April 27th, 1870, to December 30th, 1889. This book also contains checks on National Farmers' and other banks; Annual Report, 1895, two copies.

Commissioners for Opening Streets.—Annual Report, 1895, two copies.

Fire Department.—Pay-rolls, January to December 31st, 1894; Pay-rolls, Annex, 1894; Vouchers, January to December 31st, 1894; Annual Reports, 1895.

Harbor Board.—Annual Reports, 1895.

Health Department.—Annual Report, 1895, two copies.

General Superintendent of Lamps.—One Gas Meter Inspection Record, October, 1893, to December 31st, 1895; Annual Report, 1895, two copies.

Inspector of Buildings.—Five packages Bills, 1890–1891–1892–1893–1894; one package Bond and Contracts; two packages Applications, 1893–1894; one package Bids and Proposals; one Ledger (1890–91); Ledger (1892–93); one Condemnation Book, 1894–1895; three Resolution Books, 1887–1891–1894; two Fire-escape Books, 1891 to 1895; one Letter Book, 1893; one Stub Book, Steam Boilers; two Stub Books, Sheds; one Stub Book, Addition to Sheds; one Book of Proposals; one Stub of Warrant Book; two Repair Books; one Book Building Permits; seven Baltimore City Directories, 1872–73–74–76–78–79–89; Journals First Branch, (1871–72), (1872–73), (1874–75), (1878–79), (1879–80), (1881–82), (1886–87), (1887–88), (1888–89), (1889–90), (1890–91), (1893–94). Journals Second Branch, (1872–73), (1873–74), (1874–75), (1875–76), (1878–79), (1881–82), (1886–87), (1887–88), (1888–89), (1890–91), (1893–94).

Mayor's Office.—Annual Report and Message in German, 1895, two copies; Messages, 1891, one copy; Messages, 1893, one hundred copies; Messages, 1894, forty-nine copies; Messages, 1895, four hundred and twenty-seven copies; Financial Reports, 1894, eight copies; Liberty Bell, 1895, eleven copies; New Court House, 1893, Instruction to Architects, one copy; Bureau Industrial Statistics, 1893, sixteen copies; Bureau Industrial Statistics, 1894–95, five copies; two Record Books, July 1st, 1891, to December, 1896; Electrical Subway Commission Report, 1894, eleven copies; Street Paving Commission Report, 1894, ninety-eight copies; Record of Ordinances and Resolutions, February 14th, 1891, to May 11th, 1895; City Directory, 1895, three copies; one Book Minor City Appointments, 1884–85; one Book General City Appointments, 1887–1891; one Book General City Appointments, 1882–86; one Book Opinions Law Officers, March 23d, 1882, to January 8th, 1889; one Book Orders upon Treasurer Poor Fund, January 17th, 1889, to March 9th, 1895; one Book Description Boundary Lines of 9th, 11th and 20th Wards and Precincts; three Letter Books, January 15th, 1888, to May 22d, 1889; October 2d, 1893, to July 11th, 1895; July 12th, 1895, to November 19th, 1895; Public School Laws, 1890, one copy; Ordinances and Resolutions, 1884–85, one copy; Ordinances and Resolutions, 1885–86, one copy; Ordinances and Reso-

lutions, 1886-87, one copy; Ordinances and Resolutions, 1888-89, one copy; Ordinances and Resolutions, 1889-90, one copy; Ordinances and Resolutions, 1892-93, one copy; Ordinances and Resolutions, 1893-94, one copy; Ordinances and Resolutions, 1894-95, one copy. Annual Reports Board of Visitors, Baltimore City Jail, 1895, three copies; Corporation Officers, 1894, one copy; Corporation Officers, 1895, one copy; Annual Report City Commissioner, 1895, five copies; Annual Report City Comptroller, 1894, one copy; Annual Report City Comptroller, 1895, six copies; Annual Report City Collector, 1895, two copies; Annual Report City Register, 1894, two copies; Annual Report City Register, 1895, four copies; Annual Report Examiner of Titles, 1895, one copy; Annual Report Electrical Subway Commissioner, 1895, one copy; Annual Report Harbor Board, 1895, four copies; Annual Report Fire Commissioners, 1895, four copies; Annual Report Trustees of the Poor, 1892, one copy; Annual Report Trustees of the Poor, 1894, one copy; Annual Report Trustees of the Poor, 1895, eight copies; Annual Report Public Park Commissioners, 1892, one copy; Annual Report Public Park Commissioners, 1895, six copies; Annual Report of Health Department, 1895, seven copies; Annual Report Inspector of Buildings, 1894, one copy; Annual Report Inspector of Buildings, 1895, twelve copies; Annual Report of General Superintendent of Lamps, 1895, five copies; Annual Report of Inspector of Gas and Oils, 1895, four copies; Annual Report Water Department, 1895, three copies; Annual Report Street Cleaning Department, 1895, four copies; Annual Report of Sewerage Commission, 1895, two copies; Annual Report Topographical Survey, 1895, one copy; Annual Report City Librarian, 1895, five copies; Annual Report of Commissioners of Public Schools, 1895, seven copies; History of the Public Parks of Baltimore by Hon. F. C. Latrobe, one copy; six copies, an Ordinance relating to the Inspection and Construction of Buildings, 1894; two copies, Reports of Special Commission to make an examination of all departments of the City Government, 1890; two copies of Report of President and Directors Board of Trade ending September 30th, 1896; two copies Estimate of Receipts and Expenditures and attendance of Baltimore Centennial Exposition, 1894; one copy of Dedication of the Washington National Monument, 1895; Message of F. C. Latrobe, Mayor, 1892, one copy; Message of F. C. Latrobe, Mayor, 1893, six copies;

Message of F. C. Latrobe, Mayor, 1894, two copies; Message of F. C. Latrobe, Mayor, 1895, two copies; Message of Alcaeus Hooper, Mayor, 1896, four copies; Annual Report of St. Mary's Industrial School, 1896, one copy.

Park Commissioners.—Annual Report, 1895, two copies; History of Public Parks of Baltimore by F. C. Latrobe, twenty-two copies.

Police Commissioners.—Annual Reports, 1892-93, two copies; Annual Reports, 1894-95, two copies.

Public School Commissioners.—Annual Report, 1894, two copies.

Superintendent City Hall.—Vouchers for (1893-1894), (1894-1896). Ault & Co., binders for City Printer, one hundred and fifty copies Journal First Branch City Council, 1895-96; one hundred and fifty copies Journal Second Branch City Council, 1895-96; two hundred copies Ordinances and Resolutions, 1895-96.

MISCELLANEOUS.

Baltimore and Ohio Railroad Company.—Seventh Annual Report of Relief Department for the year ending June 30th, 1895.

Baltimore Corn and Flour Exchange.—Forty-first Annual Report, 1895. Book Reviews—odd numbers.

Geo. Wm. Brown.—"Baltimore and the 19th of April, 1861."

California.—Municipal Reports City of San Francisco, 1894-95.

Collins, P. E.—"Pennsylvania Dutch" and other essays, Philadelphia, 1882.

Connecticut.—City of Hartford Municipal Register, 1895.

City of New Haven.—City Year Book, 1895.

Daily Record.—Vol. 16, July to December, 1895, bound volume.

Delaware.—City of Wilmington, Report of Chief Engineer, 1895; Report of Park Commissioner, 1895; Report of Water Commissioner, 1896; Report of Street and Sewer Department, 1895; Report of Chief of Police, 1895.

District of Columbia, City of Washington.—Annual Reports of Commissioners, 1895.

Enoch Pratt Free Library.—Quarterly Bulletin, April 1st to July 1st, 1896; Librarian's Tenth Annual Report, 1895.

Hon. J. V. L. Findlay.—His address delivered Maryland Day, September 12th, 1893, at the Columbian Exposition.

Georgia.—City of Savannah, Municipal Reports, 1895; City of Atlanta; Annual Reports, 1895.

Illinois.—City of Chicago, Twentieth Annual Report of the Department of Public Works with Mayor's Message, 1895; Official Fire Inquests by Charles W. Whitcomb, Register of the University of Chicago, 1895. Public Libraries, Vol. 1, No. 1, May, 1896, a monthly publication by the Chicago Library Bureau.

Indiana.—City of Indianapolis, Charter and other Laws, 1895; Annual Reports, 1895.

Johns Hopkins University.—Twentieth Annual Report, 1895; Johns Hopkins University Register, 1895-96; Johns Hopkins University Circulars, May, 1896.

Kentucky.—City of Louisville, Annual Reports, 1895.

J. B. Kurtz, City Printer.—For exchange and distribution, one hundred and fifty copies Mayor's Message and Reports, 1895, sheep; fifty copies Mayor's Message and Reports, 1895, Morocco.

Land of Sunshine, a monthly magazine, odd numbers

Hon. F. C. Latrobe.—Ordinances and Resolutions, 1874, one copy; Ordinances and Resolutions, 1875, one copy; Ordinances and Resolutions, 1877, two copies; Ordinances and Resolutions, 1878, one copy; Ordinances and Resolutions, 1879, one copy; Ordinances and Resolutions, 1881, one copy.

Maryland, McDonogh School.—Annual Report, 1890; Catalogue, 1894-95; Catalogue 1895-96, two copies; Addresses, The Colonial Fort by Rev. George A. Leakin, 1893; Addresses, A Unique School by James T. Edwards, 1895; Addresses, The Alumni Association by Wm. J. Jones, 1892; H. L. Gantt, 1892; C. H. Sumwalt, 1891, and G. Taylor, in 1893.

City of Baltimore.—Board of Trade, Report of the President and Board of Directors for the year ending September 30th, 1896.

St. Mary's Industrial School for Boys.—Twenty-seventh Annual Report, 1895.

Mount Hope Retreat.—Annual Report, 1895.

Massachusetts.—City of Lynn, City Documents, 1895; City of Gloucester, City Documents, 1895; City of Boston, Annual Reports of Street Department, 1895; Auditor's Report, 1895-96; Annual Report, 1894, two vols.; Annual Report Executive Department, 1895, two vols.; City of Newton, Annual Report, 1894; City of Salem, Documents, 1895.

Michigan.—Twenty-first Annual Report State Board of Health, 1893; City of Detroit, Annual Report, 1894.

Minnesota.—City of St. Paul, Annual Report, 1895.

Missouri.—City of St. Louis, Annual Report of the Public Free Library, 1894-95; Annual Reports of the City, 1894-95.

New York.—City of Brooklyn, Annual Reports, 1894; City of Buffalo, Manual of the Common Council of the City, 1896; City of New York, Annual Reports of City Magistrates, 1895; "The Disposal of a City's Waste" by Commissioner Geo. W. Waring,

New Jersey.—City of Newark, Annual Reports, 1894.

Nebraska.—City of Omaha, Annual Reports, 1895.

Ohio.—City of Cleveland, Annual Reports, 1895; City of Cincinnati, Mayor's Message, 1895.

Pennsylvania.—City of Philadelphia, Annual Report of Comptroller, 1895; Extracts from Minutes of Yearly Meetings of Friends, 1895; Journal of Prison Discipline, 1894-96.

Perrin's Monthly Stenographer, odd numbers.

Rhode Island.—City of Newport, City Documents, 1895; City of Providence, Documents, Vols. 1 and 2, 1895.

Searight, T. C., The "Old Pike," a history of the National Road, 1894.

North Carolina.—City of Raleigh, Annual Report to February, 1896.

South Carolina.—City of Charleston, Year Book, 1895, two copies.

Virginia.—City of Norfolk, Ordinances, with the amended charter and appendix, 1894; Mayor's Message, 1894-95; City of Richmond, Annual Report, 1895.

Washington.—City of Seattle, Fifth Annual Report of the Library Commission, 1895.

Western Maryland Railroad Company.—Annual Reports, 1890-91, 1892-1895.

Wisconsin.—City of Milwaukee, City Charter, 1895; General Ordinances, 1896; Ordinances on Franchises, 1896; Department Reports, 1895.

BOOKS BOUND.

Water Department.—Reports, 1890-95; Statutes, Ordinances and Resolutions. Labor Bureau, Industrial Statistics of Maryland, Reports, 1892-96. Park Commissioners, Annual Reports, 1890-95. Maryland School for the Deaf and Dumb, Reports, 1868-95; By-laws and History; Street Books, Nos. 132, 133, 134, 135; one volume Engrossed Ordinances, 1895-96; one volume Engrossed Resolutions, 1895-96; two

volumes "Sun," July 1st, 1895, to June 30th, 1896; two volumes "American," July 1st, 1895, to June 30th, 1896; two volumes "Herald," July 1st, 1895, to June 30th, 1896.

BOOKS PURCHASED.

City Directory, 1896; Harper's Book of Facts; Duvall's Points for Conveyancers; Brown's Baltimore and the 19th of April, 1861.

BOOKS CONTRIBUTED OR EXCHANGED.

Copies of the Mayor's Message and Annual Reports for 1895 have been sent to the following cities and institutions:

Allogany, Pa., Atlanta, Ga., Austin, Tex., Berlin, Germany, Boston, Mass., Brooklyn, N. Y., Buffalo, N. Y., Chicago, Ill., Cincinnati, Ohio, Commissioners District of Columbia, Concord, N. H., Charleston, S. C., Denver, Col., Detroit, Mich., Dublin, Ireland, Gloucester, Mass., Halifax, Nova Scotia, Hartford, Conn., Indianapolis, Ind., London, England, Louisville, Ky., Lynn, Mass., Milwaukee, Wis., Montreal, Canada, Mobile, Ala., Memphis, Tenn., New Haven, Conn., Newark, N. J., New Bedford, Mass., Newport, R. I., Newton, Mass., Norfolk, Va., Omaha, Neb., Philadelphia, Pa., Providence, R. I., Paris, France, Raleigh, N. C., Richmond, Va., St. Louis, Mo., St. Petersburg, Russia, Salem, Mass., San Francisco, Cal., Savannah, Ga., Seattle, Wash., Toronto, Canada, Wilmington, Del.; Hon. A. R. Spofford, Librarian of Congress; Maryland State Library, Annapolis, Md.; Smithsonian Institute, D. C.; Peabody Institute, Enoch Pratt Free Library, Johns Hopkins University, University of Pennsylvania.

The following books have been given out on the order of His Honor the Mayor:

Mayor's Message and Report, 1869, one copy; 1870, one copy; 1871, one copy; 1872, one copy; 1873, one copy; 1874, one copy; 1877, one copy; 1878, two copies; 1879, one copy; 1880, one copy; 1881, one copy; 1882, one copy; 1883, one copy; 1884, one copy; 1885, one copy; 1886, one copy; 1887, one copy; 1888, one copy; 1889, one copy; 1890, one copy; 1891, one copy; 1892, one copy; 1893, one copy; 1894, five copies; 1895, one copy. Journals of the First Branch City Council, 1870-71, one copy; 1871-72, one copy; 1872-73, one copy; 1873-74, one copy; 1880-81, two copies; 1881-82, two

copies; 1882-83, one copy; 1883-84, one copy; 1884-85, two copies; 1885-86, one copy; 1886-87, one copy; 1887-88, one copy; 1888-89, one copy; 1889-90, two copies; 1890-91, two copies; 1891-92, one copy; 1892-93, one copy; 1893-94, two copies; 1894-95, nine copies.

Journals of the Second Branch City Council, 1880-81, two copies; 1881-82, one copy; 1882-83, one copy; 1883-84, one copy; 1884-85, one copy; 1885-86, one copy; 1886-87, one copy; 1887-88, one copy; 1888-89, one copy; 1889-90, one copy; 1890-91, one copy; 1891-92, two copies; 1892-93, one copy; 1893-94, two copies; 1894-95, nine copies.

Ordinances and Resolutions, 1879-80, two copies; 1880-81, two copies; 1881-82, five copies; 1882-83, two copies; 1883-84, two copies; 1884-85, three copies; 1885-86, three copies; 1886-87, three copies; 1887-88, four copies; 1888-89, three copies; 1889-90, three copies; 1890-91, four copies; 1891-92, five copies; 1892-93, eight copies; 1893-94, twelve copies; 1894-95, twenty-two copies; 1895-96, one copy.

Baltimore City Code, 1893, five copies.

History of Public Parks of Baltimore by F. C. Latrobe, one copy.

To the Council and Heads of Departments, fifty-nine copies of Ordinances and Resolutions, 1894-95; to the same, fifty-six copies of Mayor's Message and Reports, 1895, also forty copies Journals of Proceedings of the First and Second Branch City Council, 1894-95, and seventy-eight copies of Proceedings, 1895-96.

Baltimore City Codes were issued this year as follows:

By authority of the following resolution, "Resolved by both Branches of the City Council, That the City Librarian be and he is hereby authorized and directed to procure and deliver to each member of the City Council a copy of the last City Code, and expense for the same to be taken out of the appropriation for the City Council Diary for the year 1896," there were delivered to the Council and clerks, thirty-five copies; by orders of the Mayor and to heads of departments, 17; sold, 17 copies; making a total of 69 copies issued in 1896, and leaving a balance of 502 copies on hand December 31st, 1896,

STATEMENTS.

THE FOLLOWING WARRANTS HAVE BEEN DRAWN DURING
THE YEAR 1896, AGAINST THE APPROPRIATIONS
FOR THE CITY LIBRARY AND SALARIES.

DATE.	WARRANTS.	TO WHOM PAID.	AMOUNTS.	REMARKS.
Jan. 2.	1318	Salaries, Librarian and Assistant	\$200 00	For month of Dec., 1895
" 6.	1319	U. S. Ex. Co.	25	" Books to Smithsonian.
" 15.	1320	D. T. Rinedollar.....	5 00	" Typewriting Report, 1895.
" 29.	1321	Evening News Pub. Co..	8 80	" Advertising Proposals.
" 29.	1322	A. S. Abell Co.....	11 55	" Advertising Proposals.
" 29.	1323	Chas. C. Fulton & Co..	9 63	" Advertising Proposals.
" 29.	1324	Herald Pub. Co.	11 00	" Advertising Proposals.
" 29.	1325	Daily Record Co.....	7 00	" Advertising Proposals and Vol. 15 Daily Record.
" 29.	1326	J. W. Bond Co.....	7 54	" Stationery for City Commissioner.
" 29.	1327	Thos. A. Strohm	1 50	" Stationery for City Commissioner.
" 29.	1328	The World.....	10 12	" Advertising Proposals.
" 31.	1329	Salaries, Librarian and Assistant	200 00	
" 31.	1330	Wm. J. C. Dulany Co..	43 00	Contractors.
Feb. 17.	1331	John B. Kurtz	35 36	For Printing Librarian's Report, 1895.
" 18.	1332	German Correspondent .	10 85	" Advertising Proposals.
" 24.	1333	F. M. Hall & Bro.....	4 00	2 Star Paper Fasteners.
" 29.	1334	Guggenheimer, Weil & Co.....	47 64	Contractors.
" 29.	1335	Wm. J. C. Dulany Co..	86 42	"
" 29.	1336	Salaries, Librarian and Assistant	200 00	
" 29.	1337	A. S. Abell Co.....	23 35	Contractors.
Mch. 11.	1338	Hirshberg, Hollander & Co.....	13 52	"
<i>Amount carried forward.....</i>			\$936 53	

DATE.	WARRANTS.	TO WHOM PAID.	AMOUNTS.	REMARKS.
		<i>Amount brought forward</i>	\$936 53	
Mch. 13.	1339	Willsey & Wood.....	10 00	For Harper's Book of Facts.
" 17.	1340	L. M. Duvall.....	10 00	" Points for Conveyancers.
" 27.	1341	Guggenheimer, Weil & Co.....	56 85	Contractors.
" 31.	1342	Salaries, Librarian and Assistant	200 00	
" 31.	1343	R. L. Polk & Co.....	6 00	For City Directory, 1896
" 31.	1344	J. H. Drechsler.....	8 01	Contractor.
" 31.	1345	Wm. J. C. Dulany Co...	405 19	"
" 31.	1346	A. W. Barnhart.....	79	For 3 months' sub. to Herald.
Apl. 1.	1347	A. S. Abell Co.....	15 50	Contractors.
Mch. 31.	1348	W. H. Poske.....	1 62	For 3 months' sub. to American.
Apl. 7.	1349	Baumgarten & Co.....	1 35	" Stamp for Examiner of Titles.
" 17.	1350	Chesapeake & Potomac Tel. Co.....	33 00	" Rental, Apl. 13, '96 to Oct. 12, '96.
" 22.	1351	Meals during Council Sessions.....	10 00	
" 23.	1352	Schaefer & Herold.....	30 42	Contractors.
" 28.	1353	Guggenheimer, Weil & Co.....	35 50	"
" 30.	1354	Salaries, Librarian and Assistant.....	200 00	
" 30.	1355	A. S. Abell Co.....	20 00	Contractors.
" 30.	1356	J. H. Drechsler.....	25 53	"
" 30.	1357	Wm. J. C. Dulany Co...	419 64	"
May 6.	1358	Warrant drawn and cancelled.....	...	
" 12.	1359	15 Meals, Council Sessions	7 50	
" 28.	1360	Guggenheimer, Weil & Co.....	97 36	Contractors.
" 28.	1361	Wm. J. C. Dulany Co...	409 22	"
" 29.	1362	Salaries, Librarian and Assistant	200 00	
" 29.	1363	7 Meals, Council Sessions	3 50	
" 29.	1364	J. W. Bond Co.....	1 65	For Stationery, Mayor's Office.
" 29.	1365	A. S. Abell Co.....	22 67	Contractors.
June 1.	1366	J. H. Drechsler.....	23	"
" 11.	1367	Schaefer & Herold.....	92 47	"
" 23.	1368	5 Meals, Council Sessions	2 50	
<i>Amount carried forward</i>			\$3,263 03	

DATE.	WARRANTS.	TO WHOM PAID.	AMOUNTS.	REMARKS.
		<i>Amount brought forward</i>	\$3,263 03	
June 29.	1369	Guggenheimer, Weil & Co.....	52 42	Contractors.
" 29.	1370	A. S. Abell Co.....	3 55	"
" 29.	1371	Salaries, Librarian and Assistant.....	200 00	
" 30.	1372	Wm. J. C. Dulany Co...	117 75	Contractors.
" 30.	1373	A. W. Barnhart.....	79	For 3 months' sub. to Herald.
" 30.	1374	W. H. Poske.....	1 62	" 3 months' sub. to American.
July 9.	1375	Baumgarten & Co.....	1 35	" 5 Stamps, Com'r of Street Cleaning.
" 16.	1376	Hirshberg, Hollander & Co.....	15 40	Contractors.
" 21.	1377	J. H. Drechsler.....	10 30	"
" 29.	1378	Schaefer & Herold.....	68 77	"
" 29.	1379	Guggenheimer, Weil & Co.....	30 15	"
" 29.	1380	Wm. J. C. Dulany Co...	136 88	"
" 30.	1381	A. S. Abell Co.....	5 10	"
" 30.	1382	Salaries, Librarian and Assistant.....	200 00	
Aug. 6.	1383	Edgar R. Lyon.....	7 00	For Binding four Street Books.
Aug. 27.	1384	Guggenheimer, Weil & Co.....	52 89	Contractors.
" 31.	1385	Salaries, Librarian and Assistant.....	200 00	
Sep. 3.	1386	Postage on 41 Exchanges	13 12	
Aug. 27.	1387	A. S. Abell Co.....	4 00	Contractors.
" 31.	1388	Wm. J. C. Dulany Co...	76 54	"
Sep. 9.	1389	5 Meals, Council Sessions	2 50	
" 10.	1390	U. S. Ex. Co.....	40	For Box to Smithsonian
" 28.	1391	Guggenheimer, Weil & Co.....	46 42	Contractors.
" 28.	1392	A. S. Abell Co.....	13 10	"
" 30.	1393	Salaries, Librarian and Assistant.....	200 00	
" 30.	1394	A. W. Barnhart.....	79	For 3 months' sub. to Herald.
" 30.	1395	Frank H. Shields.....	1 62	" 3 months' sub. to Sun.
" 30.	1396	Wm. J. C. Dulany Co...	98 22	Contractors.
Oct. 16.	1397	Chesapeake & Potomac Tel. Co.....	33 00	For Rental, Oct. 13, '96, to Apl. 12, '97.
		<i>Amount carried forward</i>	\$4,856 71	

DATE.	WARRANTS.	TO WHOM PAID.	AMOUNTS.	REMARKS.
		<i>Amount brought forward</i>	\$4,856 71	
Oct. 27.	1398	Guggenheimer, Weil & Co.....	32 88	Contractors.
" 27.	1399	4 Meals, Council Sessions	2 00	
" 31.	1400	Salaries, Librarian and Assistant	200 00	
" 31.	1401	Hirshberg, Hollander & Co.....	7 14	Contractors.
" 31.	1402	Wm. J. C. Dulany Co...	446 51	"
Nov. 9.	1403	Adams Ex. Co.....	90	For Books from Milwaukee, Contractors.
" 10.	1404	A. S. Abell Co.....	12 50	
" 17.	1405	Schaefer & Herold.....	76 10	"
" 24.	1406	Salary, George C. Wedderburn.....	100 00	Nov. 1st to Nov. 24th, inclusive.
" 30.	1407	Salary, Geo. W. McCreary and Assistant	100 00	Nov. 25th to Nov. 30th, inclusive, and Assistant, 1 month.
" 30.	1408	J. H. Drechsler.....	1 95	Contractors.
" 30.	1409	A. S. Abell Co.....	3 12	"
" 30.	1410	Guggenheimer, Weil & Co.....	62 10	"
" 30.	1411	W. J. C. Dulany Co.....	201 19	"
Dec. 4.	1412	Baumgarten & Co.....	2 25	For Rubber Stamps.
" 7.	1413	City Library.....	1 00	" Postal Cards and Stamps.
" 9.	1414	Guggenheimer, Weil & Co.....	3 60	Contractors.
" 10.	1415	Friedenwald Company..	25 00	"
" 11.	1416	Hirshberg, Hollander & Co.....	5 50	"
" 12.	1417	Murphy & Co.....	1 00	1 copy "Baltimore and 19th April, 1861."
" 15.	1418	Daily Record Co.....	3 00	For Vol. 16, Daily Record.
" 16.	1419	U. S. Ex. Co.	30	" Freight, parcel from Washington.
" 16.	1420	A. W. Barnhart.....	79	" sub. to Herald, Oct. 1 to Dec. 31, 1896.
" 17.	1421	Evening News Pub. Co..	11 55	" Advertising Proposals.
" 21.	1422	The World.....	10 80	" Advertising Proposals.
" 21.	1423	Daily Record Co.....	4 00	" Advertising Proposals.
<i>Amount carried forward</i>			\$6,171 89	

DATE.	WARRANTS.	TO WHOM PAID.	AMOUNTS.	REMARKS.
		<i>Amount brought forward</i>	\$6,171 89	
Dec. 21.	1424	A. S. Abell Co.....	10 73	For Advertising Proposals.
" 21.	1425	C. C. Fulton & Co.....	11 69	" Advertising Proposals.
" 21.	1426	Herald Pub. Co.....	11 00	" Advertising Proposals.
" 21.	1427	E. Raine.....	8 46	" Advertising Proposals.
" 21.	1428	Journal Company.....	9 62	" Advertising Proposals.
" 22.	1429	Baumgarten & Co.....	3 60	" Rubber Stamps.
" 28.	1430	U. S. Express Co.....	25	" Freight, parcel from Annapolis.
" 28.	1431	City Librarian.....	3 10	" Postals and Stamps.
" 28.	1432	Frank H. Shields.....	1 62	" sub. to Sun, Oct. 1, to Dec. 31, 1896.
" 31.	1433	Guggenheimer, Weil & Co.....	46 66	Contractors.
" 31.	1434	J. Harry Drechsler.....	6 10	"
" 31.	1435	Hirshberg, Hollander & Co.....	6 00	"
" 31.	1436	W. J. C. Dulany Co.....	252 35	"
" 31.	1437	Edgar R. Lyon.....	7 50	For Binding Ord. and Res., 1895-96.
" 31.	1438	Guggenheimer, Weil & Co.....	104 67	Contractors.
" 31.	1439	H. W. Diek & Co.....	11 67	For Indexes and Files for Mayor's office.
" 31.	1440	A. S. Abell Co.....	75	Contractors.
" 31.	1441	Schaefer & Herold.....	18 45	"
		Total.....	\$6,683 11	

Appropriation.....\$7,400 00
Warrants Issued..... 6,683 11

Balance.....\$ 716 89

COST OF BOOKS, STATIONERY, PRINTING, ETC., FOR

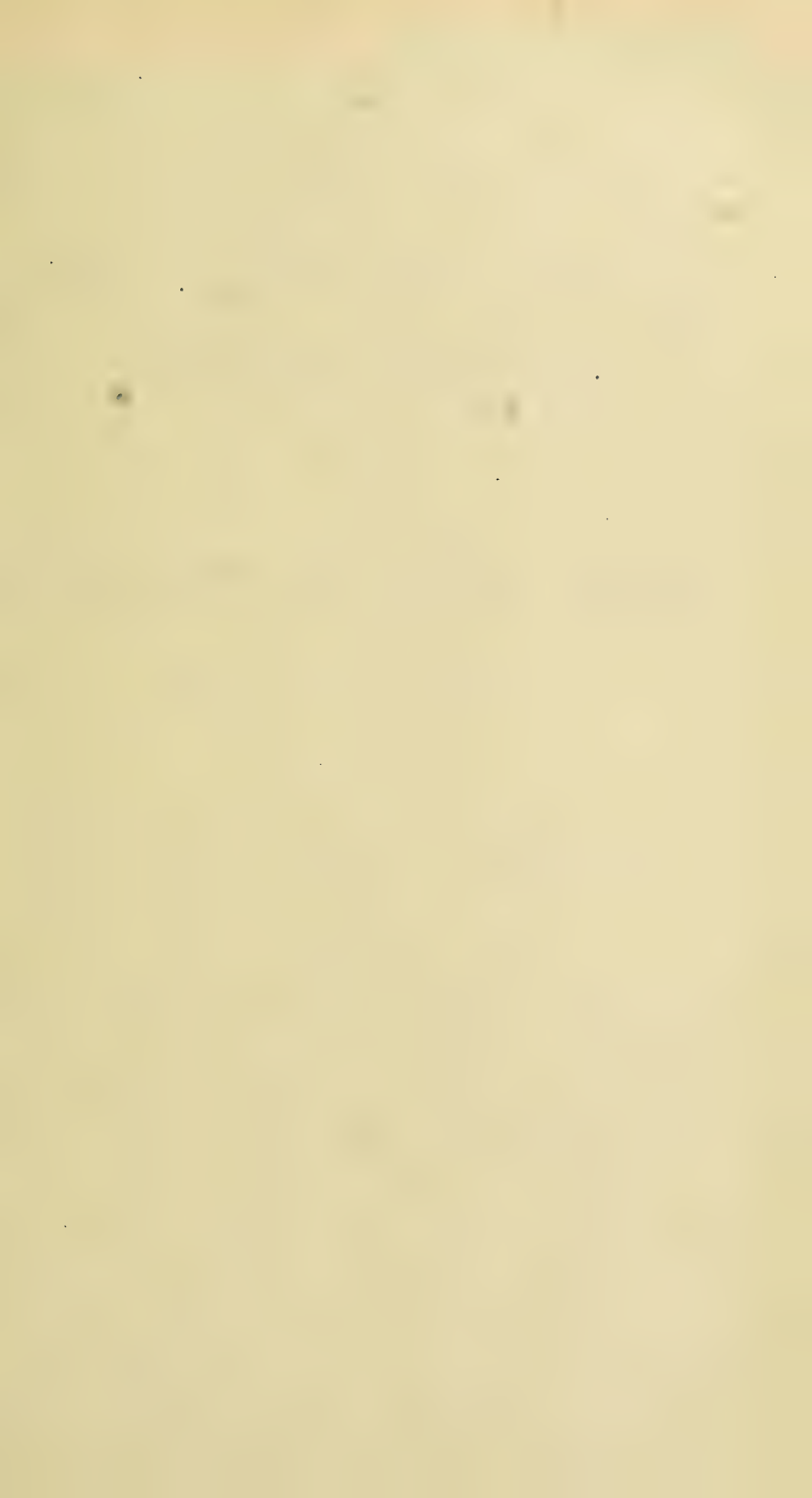
DEPARTMENTS.	1895.	1896.
Appeal Tax Court	\$ 179 72	\$ 39 05
Baltimore City Jail	208 32	116 45
Bay View Asylum.....	264 82	190 80
Board of Assessors.....	22 98	5 61
City Collector.....	2,771 79	1,040 02
“ Comptroller.....	516 55	397 98
“ Commissioner.....	722 43	219 63
“ Register.....	344 77	239 00
Commissioners for Opening Streets.....	87 30	5 83
Commissioner of Street Cleaning.....	88 74	26 53
Markets	15 47	9 82
Examiner of Titles.....	31 73	39 68
General Superintendent of Lamps	127 13	75 79
Health Department.....	1,130 42	681 92
Harbor Board.....	81 82	64 52
Harbor Masters	35 45	21 67
Inspector of Buildings.....	101 32	177 50
“ “ Gas and Oils.....	19 37	20
Law Department... ..	36 27	4 21
Park Board.....		6 87
Mayor's Office.....	335 36	102 67
Superintendent City Hall.....	5 57	
“ Public Buildings.....		3 26
City Library	3,113 91	
“ “ Salaries..... \$2,400 00		
“ “ Telephone..... 66 00		
“ “ Advertising Proposals ... 77 25		
“ “ Supplies..... 312 73		2,855 98
Totals.....	\$11,041 97	\$6,683 11
Amount of Appropriation for 1896..... \$7,400 00		
Total Expenses “ “ 6,683 11		
Leaving an unexpended balance of..... \$716 89		

The following Departments, while ordering their supplies through the Library, settled for it by their respective warrants upon the Comptroller, viz:

	1895.	1896.
Chief Engineer Water Department.....	\$ 392 51	\$ 367 39
Water Department.....	1,410 84	1,275 62
	\$1,803 35	\$1,643 01

Respectfully submitted.

GEO. W. McCREARY, *City Librarian.*



ANNUAL REPORT

— OF THE —

DEPARTMENT OF STREET CLEANING

OF THE CITY OF BALTIMORE,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.

OFFICERS AND EMPLOYEES
OF THE
DEPARTMENT OF STREET CLEANING
FOR THE YEAR 1896.

ANDREW W. BOSTWICK,
Commissioner of Street Cleaning.

SAMUEL J. BLIGHT,
Secretary to the Commissioner.

JOHN B. LEACH,
Messenger.

SUPERINTENDENTS OF STREETS:

CHAS. L. STREBECK, <i>First District.</i>	GEO. F. COOPER, <i>Fourth District.</i>
GEO. E. MCCAULEY, <i>Second District.</i>	HENRY LANCASTER, <i>Fifth District.</i>
GEO. W. BRYANT, <i>Third District.</i>	ANDREW M. MARSH, <i>Sixth District.</i>
ALEXANDER HARRISON, <i>Seventh District.</i>	

SUPERINTENDENTS OF DUMPS:

GEO. F. ALLEN, <i>Dump No. 1.</i>	JOHN HIPPLER, <i>Dump No. 3.</i>
PATRICK GLYNN, <i>Dump No. 2.</i>	ROBERT P. HARRISON, <i>Dump No. 4.</i>

SUPERINTENDENT OF WAREHOUSE AND REPAIRS:

NICHOLAS A. ARATA.

STREET FOREMAN OF SWEEPING MACHINES:

GEORGE A. SIMMS.

REPORT.

DEPARTMENT OF STREET CLEANING—CITY HALL,

BALTIMORE, January 2d, 1897.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: In accordance with the law and custom, I have the honor to submit my report for the year 1896.

At the same time it is in order for me to say that my assumption of the duties of this office having occurred on the second day of March, my knowledge of the work for the two previous months has come to me from official records and the statements of those who were employed under my predecessor.

The appended tables explain the work of the department in detail, and how the money was disbursed in paying for it.

The total appropriation for the year was \$363,993, and the sum expended \$363,458.39, leaving a balance of \$534.61.

The money turned over to the treasury for sales of street dirt, etc., amounted to \$777.50.

It has been my endeavor to give the best possible service to the citizens in the frequent and effective cleaning of the streets, in the removal of garbage and ashes, and in other duties performed by this department.

The sweeping machines which I found in operation have been in constant use, and to them I have added two pick-up machines, which have been advantageously employed. It is my intention, with your approbation, to increase the number of sweeping machines without reducing the force of hand-sweepers. Much effective work has been accomplished by the patrol cart system, and it has been so far extended as to practically cover all the asphalt streets and a portion of those paved with bricks and Belgian blocks. If the city finances permitted the expenditure, I should advise this system for all our streets and alleys, and the complete cleaning of them every secular day in the year. It has been adopted with perfect success in our great metropolis; but, of course, at a greatly increased expense over the methods

formerly in vogue. New York possesses about the same extent in miles of streets (no alleys) that Baltimore has in paved streets and alleys, and yet employs more than nine times as many sweepers and scrapers.

Our garbage collectors have been diligent in their efforts to remove the accumulations from the hundred thousand and more residences of the city. At times during the height of the fruit and vegetable season they were often driven to their utmost capacity, and were not always able to finish the work on their routes.

The mixing of garbage and ashes was one of the troublesome customs which this administration had to encounter, and numerous suspensions and removals of collectors were made before the intentions to break up the illegal practice could be fully appreciated. In many instances the citizens visited were quite as much to blame as the collectors, it being more convenient for them to place their refuse materials in a single vessel than in separate ones.

The contractors whose scows receive the garbage for final disposition have stated to me on several occasions that nearly twice the quantity was taken by them during the summer and early autumn months that they had handled during any former year for the same time. This fact does not appear from the subjoined table for this reason: The superintendents of the dumps are instructed to credit the garbage collectors with the number of loads *actually delivered*; whereas, I understand, it was formerly the custom to credit a high average number to each, without much consideration for the work actually done.

Concerning the disposal of garbage, it is my impression that the present method is much too primitive for the comfort and health of a large city. I believe it should be reduced to fertilizer by steam or some equally effective process, and I advise that this department be empowered to carry out a plan which shall be proved by investigation and scientific research to be adapted for the desired result. I believe a contract for this purpose could be made with the proper parties.

It is the practice of this department that the carts and horses used for the collection of garbage and street sweepings shall be owned by the drivers. I believe they should be the property of the city, and that the drivers should be paid twelve dollars per week, instead of eighteen dollars, as

now. The \$312 per annum difference would nearly purchase the horse, cart and harness, and provide for their keeping, so that at the end of the year the city would own the property. Possibly the first year's expense might be somewhat increased, but thereafter they would be much decreased. This system would insure uniform carts and a better quality of horses. If it is not considered best to make a complete revolution at once, I advise that one or more districts be selected for the trial. The suggestion is not original, as other cities have adopted this system, much to their interest in economy and improved service.

Almost immediately after assuming charge of this office, I instructed the superintendents to prohibit smoking and drinking intoxicants during working hours, and to have it distinctly understood that drunkenness would be a certain cause for suspension or removal. It will be readily appreciated that the discontinuance of these habits has saved the city much time that was formerly dissipated, and improved the moral status of the department. By the adoption of some other improvements which I have in view I believe the tone of the whole force will be raised to a position equal to that of any other city, and superior to that which exists in many of them.

The uniforms which I expect to adopt, although plain and unpretentious when compared with those displayed by the other departments, will help to encourage a sentiment of harmony and loyalty among the members of the force, and will do much in the direction of economy, by protecting the more costly clothing worn beneath. An oversuit of cotton duck, with helmet to match, will be cheap and durable, and can be quickly donned for the day's duties, and as quickly discarded when the day's duties shall have been completed.

Although the ordinances relating to the matter have been liberally distributed throughout the city, and the daily papers have generously made frequent mention of them, the habit of throwing refuse into the alleys and sweeping paper and other debris into the gutters continues, although in a somewhat modified degree. If the citizens would only take a little more pride in the appearance of their streets—after the manner of Europeans—the custom would speedily disappear without the frequent threat of the legal penalty (arrest and fine) being presented to them. This nuisance of dumping refuse upon the streets is more noticeable in

the spaces surrounding the markets than elsewhere. And here is where the attention of a vigilant, active police force would be valuable. A few hints from these guardians of the law would break up the habit which dealers now indulge in, of making the pavements do the service of barrels and boxes for their discarded fruits and vegetables. The labor imposed upon this department by these heedless violators of law and decency could easily be avoided by a few words from the officers who have the markets under their supervision.

One of the most discouraging impediments to the cleanliness of the city is the bad condition of nearly all of the alleys and courts. Many of them are still unpaved, and the major number of those which have been so favored have been wretchedly ministered to. Nothing better than cobblestone surface meets the scraper or broom of the street cleaner or the eye of the citizen who ventures outside the back gate of his premises. Decent cobblestone paving would not have been so objectionable, but that which has been thrown upon our alleys is of the most wretched character. The result is these thoroughfares are plowed with ruts and dotted with excavations, where stagnant water makes its many nests for the breeding of disease germs. The officers and other employes of this department realize the importance of wholesome alleys and courts, but the present force could not possibly keep them tidy while their rough and ragged surfaces continue to exist.

Since my induction to this office a good many changes have been made in the *personnel* of the department, nearly all, I believe, in the direction of improvement. I think this statement will be accepted when I say that the number of complaints has greatly decreased; has diminished to the extent that the reduction of them is now as noticeable as was their frequent appearance a few months ago. A much better system of keeping accounts has also been adopted, with the assistance of an intelligent and capable secretary.

Early in this administration a new element was introduced into this department. For the first time in the history of the city our colored citizens have been liberally employed in the public service, and they have shown ready adaptability for the work. The streets of a whole district, embracing what is usually recognized as the business portion of the city, are nightly swept and burnished by these tawny chil-

dren of the South. The carts are owned and driven by them, and their horses kept in excellent condition. This new departure has given so much satisfaction that its extension is advised by many prominent citizens.

On the 15th of May last an important duty, which up to that time had been performed by employes of the Health Office, was transferred to this department—the collection and disposal of dead animals. Faithful men were employed for the work, and the tables herewith submitted show how fully they have met the responsibilities assigned to them.

It will be noticed that my estimates for the coming twelve months are larger than for the year just ended. In explanation it should be remembered that the population is constantly increasing; that whole neighborhoods are springing into existence and new houses are going up in the old ones. It must also be recognized that the service was insufficient in some sections last year. This is especially the case with the Annex. Territorially it is larger than all of the old city, and yet the numerical force employed there in this department is less than one-half of that required in a single one of the six districts embraced by the old city limits. During the fruit and vegetable season it was impossible to move all of the garbage promptly, a condition which threatened the health and disturbed the comfort of a large number of our citizens. It should also be remembered that the street carts, and sweepers and scrapers, are numerically insufficient to give proper care to the highways of that rapidly growing section.

On the 11th of May last the City Council passed an ordinance (afterward signed by the Mayor) requiring the several street railway companies “to sprinkle thoroughly with water the streets, avenues or lanes along their lines,” and placed the execution of the ordinance in charge of the head of this department. Due notice was sent to the presidents of all the companies, and all of them complied with the law and regulations, except the City and Suburban Company, whose officers returned no recognition of the notices delivered to them. After the limit of indulgence had been reached, the manager of the line was arrested and the case was presented to the Grand Jury. That body listened to the proofs of delinquency, which were ample and lucid, and then dismissed the case, much to the disappointment of many interested citizens. It is my conviction that a corporation

which has been so distinctly favored by the city government, whose officers defy an ordinance which is intended to protect the health and comfort of a large number of people, should be granted no extension of privileges by the power which makes and executes our laws.

It is a pleasant duty for me to say that during my administration of the affairs of this office I have had the intelligent and hearty co-operation of the superintendents and other attaches of the department, and to them I extend my thanks for their opportune suggestions and information.

Below I present my estimate of expenses for the year just commenced:

153 garbage carts and men, at \$18.00 per week	\$143,208 00
80 street cars and men, at \$18.00 per week.....	74,880 00
171 sweepers and scrapers, at \$10.00 per week.....	88,920 00
Salaries.....	9,000 00
Contingent Fund	400 00
Sweeping machines, sprinklers, hire of horses, etc...	20,000 00
Dumps.....	2,400 00
Contract for removal of garbage.....	9,400 00
	<hr/>
	\$348,208 00

ANNEX.

20 garbage carts and men, at \$18.00 per week.....	\$18,720 00
10 street carts and men, at \$18.00 per week.....	9,360 00
20 sweepers and scrapers, at \$10.00 per week.....	10,400 00
Salary of Superintendent.....	1,000 00
Tools.....	125 00
	<hr/>
	\$39,605 00

Respectfully submitted.

ANDREW W. BOSTWICK,
Commissioner of Street Cleaning.

TABLES.

TABLE A.

Weekly Reports, showing amount of work done, number of men and carts employed, and the amount of money expended for wages in the several districts of the Street Cleaning Department, from Jan. 1, 1896, to Dec. 31, 1896.

FIRST DISTRICT.									
—									
GEORGE W. TRUMBO, SUPT.									
	Number of Loads of Garbage and Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Gar- bage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.
Week ending January 6.....	680	380	\$360 00	\$460 00	20	10	30	1,060	\$820 00
" " 13.....	760	497	\$345 00	463 98	20	11	30	1,257	808 98
" " 20.....	720	415	315 00	504 00	20	12	30	1,135	819 00
" " 27.....	900	522	357 00	438 76	20	10	30	1,422	795 76
	3,060	1,814	\$1,377 00	\$1,866 74				4,874	\$3,243 74
Week ending February 3.....	900	432	\$360 00	\$447 82	20	10	30	1,332	\$807 82
" " 10.....	780	424	360 00	437 31	20	10	30	1,204	797 31
" " 17.....	780	450	360 00	447 81	20	10	30	1,230	807 81
" " 24.....	780	405	360 00	463 12	20	9	30	1,185	823 12
	3,240	1,711	\$1,440 00	\$1,796 06				4,951	\$3,236 06
Week ending March 2.....	780	414	\$360 00	\$458 66	20	9	30	1,194	\$818 66
" " 9.....	780	432	360 00	458 66	20	9	30	1,212	818 66
" " 16.....	780	315	360 00	457 50	20	11	30	1,095	817 50
" " 23.....	780	345	360 00	438 42	20	9	30	1,125	798 42
" " 26.....	580	303	240 00	362 22	20	10	29	883	602 22
	3,700	1,809	\$1,680 00	\$2,175 46				5,509	\$3,855 46

Week ending April 2.....	820	390	\$360 00	\$470 00	20	10	30	1,210	\$830 00
" " 9.....	820	472	360 00	465 80	20	10	30	1,292	825 80
" " 16.....	724	470	360 00	468 33	20	10	30	1,194	828 33
" " 23.....	706	449	360 00	478 33	20	10	30	1,155	838 33
" " 30.....	665	454	360 00	488 33	20	10	31	1,119	848 33
	3,735	2,235	\$1,800 00	\$2,370 79				5,970	\$4,170 79
Week ending May 7.....	681	467	\$360 00	\$486 65	20	10	31	1,148	\$846 65
" " 14.....	680	467	360 00	468 33	20	10	30	1,147	828 33
" " 21.....	678	459	360 00	463 33	20	11	29	1,137	823 33
" " 28.....	680	440	360 00	458 32	20	10	29	1,120	818 32
	2,719	1,833	\$1,440 00	\$1,876 63				4,552	\$3,316 63
Week ending June 3.....	620	414	\$393 42	\$461 66	21	10	30	1,034	\$855 08
" " 10.....	638	500	378 00	470 00	21	10	29	1,138	848 00
" " 17.....	586	467	378 00	470 00	21	10	29	1,053	848 00
" " 24.....	667	440	378 00	476 66	21	10	30	1,107	854 66
	2,511	1,821	\$1,527 42	\$1,878 32				4,332	\$3,405 74
Week ending July 4.....	358	707	\$265 50	\$638 64	16	22	30	1,065	\$ 904 14
" " 11.....	401	824	310 50	753 90	16	22	30	1,225	1,064 40
" " 18.....	306	666	288 00	696 00	16	22	30	972	984 00
" " 25.....	340	725	288 00	696 00	16	22	30	1,065	984 00
	1,405	2,922	\$1,152 00	\$2,784 54				4,327	3,936 54
Week ending August 1.....	355	704	\$288 00	\$696 00	16	22	30	1,059	\$984 00
" " 8.....	317	792	288 00	696 00	16	22	30	1,109	984 00
" " 15.....	338	880	288 00	696 00	16	22	30	1,218	984 00
" " 22.....	390	838	288 00	696 00	16	22	30	1,228	984 00
" " 29.....	350	880	288 00	696 00	16	22	30	1,230	984 00
	1,750	4,094	\$1,440 00	\$3,480 00				5,844	\$4,920 00

TABLE A—Continued.

FIRST DISTRICT.

GEORGE W. TRUMBO, SUPT.

	Number of Loads of Garbage and Ashes Removed.	Number of Loads of Street Dirt, Sand etc., Removed.	Amount Paid for Removal of Gar- bage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.
Week ending September 5.....	364	983	\$288 00	\$896 00	16	22	30	1,347	\$984 00
" " 12.....	369	990	288 00	696 00	16	22	30	1,359	984 00
" " 19.....	405	880	288 00	652 02	16	22	30	1,285	940 02
" " 26.....	402	1,100	288 00	696 00	16	22	30	1,502	984 00
	1,540	3,933	\$1,152 00	\$2,740 02				5,493	\$3,892 02
Week ending October 3.....	390	945	\$288 00	\$655 02	16	22	30	1,335	\$943 02
" " 10.....	394	976	288 00	653 52	16	22	30	1,370	941 52
" " 17.....	390	473	288 00	575 57	16	22	30	863	863 57
" " 24.....	390	780	288 00	690 00	16	22	30	1,170	978 00
" " 31.....	390	800	288 00	652 68	16	22	30	1,190	940 68
	1,954	3,974	\$1,440 00	\$3,226 79				5,928	\$4,666 79
Week ending November 7.....	390	660	\$288 00	\$638 64	16	22	30	1,050	\$926 64
" " 14.....	390	514	288 00	609 59	16	22	30	904	897 59
" " 21.....	461	880	288 00	696 00	16	22	30	1,341	984 00
" " 28.....	432	696	288 00	652 68	16	22	30	1,128	940 68
	1,673	2,750	\$1,152 00	\$2,596 91				4,423	\$3,748 91

Week ending December 5.....	467	878	\$288 00	\$652 68	16	22	30	1,345	\$940 68
" " 12.....	540	770	288 00	696 00	16	22	30	1,310	984 00
" " 19.....	467	806	288 00	652 68	16	22	30	1,273	940 68
" " 26.....	463	800	288 00	652 68	16	22	30	1,263	940 68
	1,937	3,254	\$1,152 00	\$2,664 04				5,191	\$3,806 04
Week ending July 1.....	642	467	\$378 00	\$484 99	21	10	31	1,109	\$862 99
" " 8.....	622	379	378 00	476 65	21	10	31	1,001	854 65
" " 15.....	645	457	378 00	468 31	21	10	31	1,102	846 31
" " 22.....	600	512	378 00	474 98	21	10	31	1,112	852 98
" " 29.....	600	440	378 00	479 98	21	10	31	1,040	857 98
	3,109	2,255	\$1,890 00	\$2,384 91				5,364	\$4,274 91
Week ending August 5.....	600	440	\$378 00	\$480 16	21	10	31	1,040	\$858 16
" " 12.....	600	455	378 00	479 99	21	10	31	1,055	857 99
" " 19.....	605	473	378 00	481 66	21	10	31	1,078	859 66
" " 26.....	615	467	378 00	478 32	21	10	31	1,082	856 32
	2,420	1,835	\$1,512 00	\$1,920 13				4,255	\$3,432 13
Week ending September 2.....	600	440	\$378 00	\$474 98	21	10	31	1,040	\$852 98
" " 9.....	600	467	378 00	474 99	21	10	31	1,067	852 99
" " 16.....	597	467	378 00	474 99	21	10	31	1,064	857 99
" " 23.....	600	440	378 00	473 32	21	10	31	1,040	851 32
" " 30.....	600	455	378 00	479 99	21	10	31	1,055	857 99
	2,997	2,269	\$1,890 00	\$2,383 27				5,266	\$4,273 27
Week ending October 7.....	602	467	\$378 00	\$479 99	21	10	31	1,069	\$857 99
" " 14.....	654	467	378 00	472 46	21	10	31	1,121	850 46
" " 21.....	642	448	378 00	473 32	21	10	31	1,090	851 32
" " 28.....	640	413	378 00	481 61	21	10	31	1,053	859 61
	2,538	1,795	\$1,512 00	\$1,907 38				4,333	\$3,419 38

TABLE A—Continued.

FIRST DISTRICT.									
—									
GEORGE W. TRUMBO, Supt.									
Week ending	November 4	645	395	\$378 00	Amount Paid for Removal of Garbage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage and Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Total Amount of Money Paid for Wages.
"	"	637	395	378 00		481 66	21	21	1,040
"	"	641	395	378 00		474 99	21	21	1,032
"	"	599	395	378 00		476 65	21	21	1,036
"	"		395	378 00		481 66	21	21	994
		2,522	1,580	\$1,512 00		\$1,914 96			4,102
Week ending	December 2	640	359	\$378 00		\$486 33	21	21	999
"	"	678	345	378 00		481 66	21	21	1,023
"	"	659	345	378 00		453 31	21	21	1,004
"	"	609	443	378 00		454 99	21	21	1,052
"	"	580	182	378 00		494 99	21	21	762
		3,166	1,674	\$1,890 00		\$2,371 28			4,840
									\$4,261 28

Mr. Charles L. Strebeck took charge as Superintendent of the First District on Monday, December 14, 1896.

TABLE A—Continued.

SECOND DISTRICT.										
GEORGE E. MCCAULEY, SUPT.										
	Number of Loads of Garbage and Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Gar- bage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.	
Week ending January 7.....	849	569	\$486 00	\$478 48	27	12	27	1,418	\$964 48	
" " 14.....	803	590	477 00	477 81	27	12	27	1,393	954 81	
" " 21.....	949	594	474 00	479 33	27	12	27	1,543	953 33	
" " 28.....	973	597	480 00	477 82	27	12	27	1,570	957 82	
	3,574	2,350	\$1,917 00	\$1,913 44				5,924	\$3,830 44	
Week ending February 4.....	999	599	\$480 00	\$474 32	27	12	27	1,598	\$954 32	
" " 11.....	980	583	480 00	411 92	27	12	27	1,563	891 92	
" " 18.....	816	595	486 00	478 46	27	12	27	1,411	964 46	
" " 25.....	957	596	486 00	479 30	27	12	27	1,553	965 30	
	3,752	2,373	\$1,932 00	\$1,844 00				6,125	\$3,776 00	
Week ending March 3.....	958	590	\$486 00	\$486 19	27	12	27	1,548	\$972 19	
" " 10.....	969	594	486 00	472 80	27	12	27	1,563	958 80	
" " 17.....	969	568	486 00	444 80	27	12	27	1,537	930 80	
" " 24.....	961	572	486 00	477 30	27	12	27	1,534	963 30	
" " 31.....	975	569	486 00	482 63	27	12	28	1,544	968 63	
	4,832	2,894	\$2,430 00	\$2,363 72				7,726	\$4,793 72	

TABLE A—Continued.

SECOND DISTRICT.

—
GEORGE E. McCAULEY, Supt.

	Number of Loads of Garbage Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Gar- bage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.
Week ending April 6.....	974	567	\$486 00	\$483 48	27	12	27	1,541	\$969 48
" " 13.....	964	564	486 00	484 32	27	12	27	1,528	970 32
" " 20.....	906	566	486 00	485 16	27	12	27	1,472	971 16
" " 27.....	929	575	486 00	481 82	27	12	27	1,504	967 82
	3,773	2,272	\$1,944 00	\$1,934 78				6,045	\$3,878 78
Week ending May 4.....	956	574	\$486 00	\$486 00	27	12	27	1,530	\$972 00
" " 11.....	960	565	486 00	465 32	27	11	26	1,525	951 32
" " 18.....	941	531	486 00	451 00	27	12	25	1,472	937 00
" " 25.....	774	537	486 00	448 00	27	11	25	1,311	934 00
	3,631	2,207	\$1,944 00	\$1,850 32				5,838	\$3,794 32
Week ending June 1.....	882	545	\$486 00	\$446 33	27	11	25	1,427	\$932 33
" " 6.....	840	551	486 00	448 00	27	11	25	1,391	934 00
" " 13.....	806	550	486 00	448 00	27	11	25	1,356	934 00
" " 20.....	832	555	486 00	443 82	27	11	25	1,387	929 82
" " 27.....	819	550	486 00	438 82	27	11	25	1,369	924 82
	4,179	2,751	\$2,430 00	\$2,224 97				6,930	\$4,654 97

Week ending July 4.....	791	550	\$486 00	\$443 82	27	11	25	1,341	\$929 82
" " 11.....	653	548	486 00	444 82	27	11	25	1,201	930 82
" " 18.....	820	581	486 00	436 33	27	11	25	1,401	922 33
" " 25.....	747	555	486 00	443 61	27	11	25	1,302	929 81
	3,011	2,234	\$1,944 00	\$1,768 78				5,245	\$3,712 78
Week ending August 1.....	776	557	\$486 00	\$447 16	27	11	25	1,333	\$933 16
" " 8.....	760	547	486 00	445 48	27	11	25	1,307	931 48
" " 15.....	803	530	483 00	446 33	27	11	25	1,333	929 33
" " 22.....	778	527	483 00	448 00	27	11	25	1,305	931 00
" " 29.....	763	527	486 00	443 82	27	11	25	1,290	929 82
	3,880	2,688	\$2,424 00	\$2,230 79				6,568	\$4,654 79
Week ending September 5.....	728	527	\$486 00	\$446 33	27	11	25	1,255	\$932 33
" " 12.....	688	530	486 00	444 66	27	11	25	1,218	930 66
" " 19.....	680	532	486 00	448 00	27	11	25	1,212	934 00
" " 26.....	673	526	486 00	443 81	27	11	25	1,199	929 81
	2,769	2,115	\$1,944 00	\$1,782 80				4,884	\$3,726 80
Week ending October 3.....	746	481	\$504 00	\$427 50	28	10	25	1,227	\$931 50
" " 10.....	657	396	504 0	427 50	28	10	25	1,053	931 50
" " 17.....	695	347	504 00	425 83	28	10	25	1,042	929 83
" " 24.....	685	357	504 00	430 00	28	10	25	1,042	934 00
" " 31.....	740	384	504 00	429 16	28	10	25	1,124	933 16
	3,523	1,965	\$2,520 00	\$2,139 99				5,488	\$4,659 99
Week ending November 7.....	708	359	\$504 00	\$420 80	28	10	25	1,067	\$924 80
" " 14.....	667	347	504 00	428 34	28	10	25	1,014	932 34
" " 21.....	655	355	504 00	427 50	28	10	25	1,010	931 50
" " 28.....	696	345	504 00	425 00	23	10	25	1,041	929 00
	2,726	1,406	\$2,016 00	\$1,701 64				4,132	\$3,717 64

TABLE A—Continued.

SECOND DISTRICT.									
—									
GEORGE E. MCCAULEY, Supt.									
Number of Loads of Garbage Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Gar- bage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.	
Week ending December 5.....	847	349	\$504 00	\$426 66	28	10	25	1,196	\$930 66
" " " 12.....	866	353	504 00	412 50	28	10	24	1,219	916 50
" " " 19.....	800	368	504 00	441 66	28	11	25	1,168	945 66
" " " 26.....	841	370	504 00	441 34	28	11	26	1,211	945 34
3,354	1,440	\$2,016 00	\$1,722 16				4,794	\$3,738 16	
THIRD DISTRICT.									
GEORGE W. BRYANT, Supt.									
Week ending January 8.....	388	480	\$270 00	\$539 00	15	15	28	868	\$809 00
" " " 15.....	381	510	264 00	549 00	15	15	28	891	813 00
" " " 22.....	397	490	264 00	529 00	15	15	28	887	793 00
" " " 29.....	413	474	270 00	521 00	15	14	28	887	791 00
1,579	1,954	\$1,068 00	\$2,138 00				3,533	\$3,206 00	

Week ending February 5.....	413	387	\$270 00	\$464 00	15	14	28	800	\$743 00
" " 12.....	398	372	270 00	445 00	15	16	28	770	715 00
" " 19.....	397	435	270 00	498 00	15	16	28	832	768 00
" " 26.....	397	466	270 00	473 00	15	16	28	863	743 00
	1,605	1,660	\$1,080 00	\$1,880 00				3,265	\$2,969 00
Week ending March 4.....	412	576	\$270 00	\$563 33	15	16	28	988	\$833 33
" " 11.....	372	567	270 00	548 29	15	16	28	939	818 29
" " 18.....	368	667	270 00	605 88	15	18	29	1,035	875 88
" " 24.....	337	868	270 00	727 00	15	23	32	1,225	997 00
" " 30.....	394	768	270 00	685 34	15	23	32	1,162	955 34
	1,903	3,446	\$1,350 00	\$3,129 84				5,349	\$4,479 84
Week ending April 6.....	341	737	\$270 00	\$734 00	15	23	32	1,078	\$1,004 00
" " 13.....	358	817	270 00	732 50	15	23	32	1,175	1,002 50
" " 20.....	305	644	270 00	734 00	15	23	32	949	1,004 00
" " 27.....	288	733	270 00	734 00	15	23	32	1,021	1,004 00
	1,292	2,931	\$1,080 00	\$2,934 50				4,223	\$4,014 50
Week ending May 8.....	240	755	\$270 00	\$734 00	15	23	32	995	\$1,004 00
" " 11.....	273	766	258 00	725 66	15	23	32	1,039	983 66
" " 18.....	299	798	270 00	696 00	15	22	30	1,097	966 00
" " 25.....	332	698	270 00	663 36	15	22	30	1,030	933 36
	1,144	3,017	\$1,068 00	\$2,819 02				4,161	\$3,887 02
Week ending June 1.....	372	812	\$306 00	\$687 00	16	22	30	1,184	\$ 993 00
" " 6.....	335	935	288 00	696 00	16	22	30	1,270	984 00
" " 13.....	355	652	240 00	579 90	16	22	30	1,007	819 90
" " 20.....	420	680	336 00	811 80	16	22	30	1,100	1,147 80
" " 27.....	339	705	288 00	651 18	16	22	30	1,044	939 18
	1,821	3,784	\$1,458 00	\$3,425 88				5,605	\$4,883 88

TABLE A—Continued.

THIRD DISTRICT.

—
GEORGE W. BRYANT, SUPT.

	Number of Loads of Garbage and Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Gar- bage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.
Week ending July 4.....	358	707	\$265 50	\$638 64	16	22	30	1,065	\$ 904 14
" " 11.....	401	824	310 50	753 90	16	22	30	1,225	1,064 40
" " 18.....	306	666	288 00	696 00	16	22	30	972	984 00
" " 25.....	340	725	288 00	696 00	16	22	30	1,065	984 00
	1,405	2,922	\$1,152 00	\$2,784 54				4,327	\$3,936 54
Week ending August 1.....	355	704	\$288 00	\$696 00	16	22	30	1,059	\$984 00
" " 8.....	317	792	288 00	696 00	16	22	30	1,109	984 00
" " 15.....	338	880	288 00	696 00	16	22	30	1,218	984 00
" " 22.....	390	838	288 00	696 00	16	22	30	1,228	984 00
" " 29.....	350	880	288 00	696 00	16	22	30	1,230	984 00
	1,750	4,094	\$1,440 00	\$3,480 00				5,844	\$4,920 00
Week ending September 5.....	364	983	\$288 00	\$696 00	16	22	30	1,347	\$984 00
" " 12.....	369	990	288 00	696 00	16	22	30	1,359	984 00
" " 19.....	405	880	288 00	652 02	16	22	30	1,285	940 02
" " 26.....	402	1,100	288 00	696 00	16	22	30	1,502	984 00
	1,540	3,953	\$1,152 00	\$2,740 02				5,493	\$3,892 02

Week ending October 3.....	390	945	\$288 00	\$655 02	16	22	30	1,335	\$943 02
" " 10.....	394	976	288 00	653 52	16	22	30	1,370	941 52
" " 17.....	390	473	288 00	575 57	16	22	30	863	863 57
" " 24.....	390	780	288 00	690 00	16	22	30	1,170	978 00
" " 31.....	390	800	288 00	652 68	16	22	30	1,190	940 68
			\$1,440 00	\$3,226 79				5,928	\$4,666 79
Week ending November 7.	390	660	\$288 00	\$638 64	16	22	30	1,050	\$926 64
" " 14.....	390	514	288 00	609 59	16	22	30	904	897 59
" " 21.....	461	880	288 00	696 00	16	22	30	1,341	984 00
" " 28.....	432	696	288 00	652 68	16	22	30	1,128	940 68
	1,673	2,750	\$1,152 00	\$2,596 91				4,423	\$3,748 91
Week ending December 5.....	467	878	\$288 00	\$652 68	16	22	30	1,345	\$940 68
" " 12.....	540	770	288 00	696 00	16	22	30	1,310	984 00
" " 19.....	467	806	288 00	652 68	16	22	30	1,273	940 68
" " 26.....	463	800	288 00	652 68	16	22	30	1,263	940 68
	1,937	3,254	\$1,152 00	\$2,654 04				5,191	\$3,806 04
FOURTH DISTRICT.									
JAMES F. BUSEY, Supt.									
Week ending January 9.....	755	436	\$522 00	\$472 33	29	11	28	1,191	\$994 33
" " 16.....	765	490	522 00	477 16	29	11	28	1,255	999 16
" " 23.....	745	594	522 00	477 16	29	11	28	1,339	999 16
" " 30.....	783	488	516 00	441 33	29	11	28	1,271	957 33
	3,048	2,008	\$2,082 00	\$1,867 98				5,056	\$3,949 98

TABLE A—Continued.

FOURTH DISTRICT.

JAMES F. BUSEY, Supt.

	Number of Loads of Garbage and Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Gar- bage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.
Week ending February 6.....	772	508	\$522 00	\$448 00	29	11	28	1,280	\$970 00
" " 13.....	712	480	522 00	462 66	29	11	28	1,192	984 66
" " 20.....	741	460	522 00	451 66	29	11	28	1,201	973 66
" " 27.....	744	582	522 00	475 55	29	11	28	1,326	997 55
	2,969	2,030	\$2,088 00	\$1,837 87				4,999	\$3,925 87
Week ending March 5.....	744	420	\$522 00	\$460 50	29	11	28	1,164	\$982 50
" " 12.....	732	528	522 00	477 16	29	11	28	1,260	999 16
" " 19.....	739	382	522 00	442 16	29	11	28	1,121	964 16
" " 26.....	688	344	522 00	466 66	29	11	28	1,032	988 66
	2,903	1,674	\$2,088 00	\$1,846 48				4,577	\$3,934 48
Week ending April 2.....	846	507	\$609 00	\$510 50	29	11	28	1,353	\$1,119 50
" " 9.....	745	501	522 00	447 16	29	11	28	1,246	969 16
" " 16.....	768	370	522 00	473 16	29	11	28	1,138	995 16
" " 23.....	847	526	522 00	476 50	29	11	28	1,373	998 50
" " 30.....	919	550	519 00	478 00	29	11	28	1,469	997 00
	4,125	2,454	\$2,694 00	\$2,385 32				6,579	\$5,079 32

Week ending May 7.....	946	675	\$522 00	\$486 50	29	11	30	1,621	\$1,008 50
" " 14.....	841	517	522 00	494 66	29	11	30	1,358	1,016 66
" " 21.....	833	524	522 00	484 33	29	11	32	1,357	1,006 33
" " 28.....	706	509	522 00	463 66	29	11	29	1,215	985 66
	3,326	2,225	\$2,088 00	\$1,929 15				5,551	\$4,017 15
Week ending June 3.....	655	550	\$522 00	\$481 33	29	11	30	1,205	\$1,003 33
" " 10.....	655	475	519 00	470 16	29	11	28	1,130	989 16
" " 17.....	817	446	522 00	462 00	29	11	28	1,263	984 00
" " 24.....	991	508	522 00	470 33	29	11	28	1,499	992 33
	3,118	1,979	\$2,085 00	\$1,883 82				5,097	\$3,968 82
Week ending July 1.....	863	428	\$522 00	\$449 83	29	11	28	1,291	\$971 83
" " 8.....	807	403	513 00	434 00	29	11	28	1,212	947 00
" " 15.....	633	426	519 00	454 66	29	11	28	1,059	973 66
" " 22.....	687	524	522 00	476 50	29	11	28	1,211	998 50
" " 29.....	559	404	522 00	471 16	29	11	28	963	993 16
	3,549	2,187	\$2,598 00	\$2,286 15				5,736	\$4,884 15
Week ending August 5.....	505	458	\$522 00	\$476 50	29	11	28	963	\$998 50
" " 12.....	639	412	522 00	473 33	29	11	28	1,051	995 33
" " 19.....	755	415	522 00	470 83	29	11	28	1,170	992 83
" " 26.....	760	429	522 00	463 83	29	11	28	1,189	985 83
	2,659	1,714	\$2,088 00	\$1,884 49				4,373	\$3,972 49
Week ending September 2.....	762	427	\$522 00	\$472 66	29	11	28	1,189	\$994 66
" " 10.....	650	550	522 00	477 16	29	11	28	1,200	999 16
" " 17.....	712	462	522 00	474 66	29	11	28	1,174	996 66
" " 23.....	695	484	522 00	476 33	29	11	28	1,179	698 33
" " 30.....	493	495	519 00	477 16	29	11	28	988	996 16
	3,312	2,418	\$2,607 00	\$2,377 97				5,730	\$4,984 97

TABLE A—Continued.

FOURTH DISTRICT.		Number of Loads of Garbage and Ashes Removed.		Number of Loads of Street Dirt, Sand, etc., Removed.		Amount Paid for Removal of Garbage.		Amount Paid for the Removal of Street Dirt, Sand, etc.		Number of Garbage Carts Employed.		Number of Street Carts Employed.		Number of Scrapers and Sweepers Employed.		Total Number of Loads Removed.		Total Amount of Money Paid for Wages.	
JAMES F. BUSEY, SUPT.																			
Week ending October 7.....		558		440		\$522 00		\$478 00		29		11		28		998		\$1,000 00	
" " 14.....		497		462		522 00		463 00		29		11		27		959		985 00	
" " 21.....		497		323		522 00		439 66		29		11		27		820		981 66	
" " 28.....		701		333		522 00		466 33		29		11		27		1,034		988 33	
		2,253		1,558		\$2,088 00		\$1,866 99								3,811		\$3,954 99	
Week ending November 4.....		706		343		\$522 00		\$466 33		29		11		27		1,049		\$988 33	
" " 11.....		703		328		522 00		467 16		29		11		27		1,031		989 16	
" " 18.....		708		318		522 00		464 66		29		11		27		1,026		986 66	
" " 25.....		708		341		522 00		444 31		29		11		27		1,049		966 31	
		2,825		1,330		\$2,088 00		\$1,842 46								4,155		\$3,930 46	
Week ending December 2.....		718		285		\$520 50		\$466 50		29		11		27		1,003		\$987 00	
" " 9.....		714		281		522 00		464 66		29		11		27		995		986 66	
" " 16.....		722		279		522 00		466 33		29		11		27		1,001		988 33	
" " 23.....		752		338		522 00		462 99		29		11		27		1,090		984 99	
" " 30.....		762		326		522 00		466 33		29		11		27		1,088		988 33	
		3,668		1,509		\$2,608 50		\$2,326 81								5,177		\$4,935 31	

Mr. G. A. Simms was Acting Superintendent of the Fourth District from October 24 to December 9, when Mr. George F. Cooper was appointed Superintendent.

TABLE A—Continued.

FIFTH DISTRICT.										
HENRY LANCASTER, Supt.										
	Number of Loads	Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Garbage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.
Week ending January 10.....	946		576	\$486 00	\$481 00	27	12	27	1,522	\$967 00
" " 17.....	940		864	480 00	486 33	27	12	27	1,804	966 33
" " 24.....	944		576	477 00	279 33	27	12	27	1,520	956 33
" " 31.....	1,060		521	486 00	442 33	27	12	27	1,581	928 33
	3,890		2,537	\$1,929 00	\$1,888 99				6,427	\$3,817 99
Week ending February 7.....	1,061		396	\$486 00	\$436 00	27	12	27	1,457	\$922 00
" " 14.....	1,065		384	486 00	418 66	27	12	27	1,449	904 66
" " 21.....	1,114		390	486 00	424 17	27	12	26	1,504	910 17
" " 28.....	1,058		432	486 00	479 00	27	12	26	1,490	965 00
	4,298		1,602	\$1,944 00	\$1,757 83				5,900	\$3,701 83
Week ending March 6.....	978		360	\$486 00	\$464 33	27	12	25	1,338	\$950 33
" " 13.....	992		396	486 00	435 50	27	12	26	1,388	921 50
" " 20.....	972		281	486 00	344 50	27	13	26	1,253	830 50
" " 26.....	981		365	486 00	420 17	27	13	27	1,346	906 17
	3,923		1,402	\$1,944 00	\$1,664 50				5,325	\$3,608 50

TABLE A—Continued.

FIFTH DISTRICT.										Total Amount of Money Paid for Wages.	
HENRY LANCASTER, Supt.		Number of Loads of Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Garbage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.		
Week ending April 2.....	973	444	\$486 00	\$492 00	27	13	27	1,417	\$978 00		
" " 9.....	957	468	486 00	504 00	27	13	27	1,425	990 00		
" " 16.....	882	468	486 00	504 00	27	13	27	1,350	990 00		
" " 23.....	723	478	486 00	515 66	27	13	29	1,201	1,001 66		
" " 30.....	715	462	486 00	512 66	27	13	28	1,177	998 66		
4,250	2,320	\$2,430 00	\$2,528 32					6,570	\$4,958 32		
Week ending May 7.....	701	432	\$486 00	\$497 66	27	12	28	1,133	\$983 66		
" " 14.....	690	402	486 00	466 00	27	12	27	1,092	952 00		
" " 21.....	702	396	486 00	459 66	27	12	26	1,098	945 66		
" " 28....	684	396	486 00	459 66	27	12	26	1,080	945 66		
2,777	1,626	\$1,944 00	\$1,882 98					4,403	\$3,826 98		
Week ending June 3.....	705	384	\$486 00	\$458 00	27	12	26	1,089	\$944 00		
" " 10.....	659	412	486 00	451 17	27	12	27	1,071	937 17		
" " 17.....	715	396	486 00	458 00	27	12	26	1,111	944 00		
" " 24.....	673	396	486 00	451 33	27	12	27	1,069	937 33		
2,752	1,588	\$1,944 00	\$1,818 50					4,340	\$3,762 50		

Week ending July 1.....	706	396	\$486 00	\$459 66	27	12	27	1,102	\$945 66
" " 8.....	676	360	486 00	459 66	27	12	26	1,036	945 66
" " 15.....	600	396	486 00	459 66	27	12	27	996	945 66
" " 22.....	609	396	486 00	459 66	27	12	26	1,005	945 66
" " 29.....	629	396	486 00	459 66	27	12	26	1,025	945 66
	3,220	1,944	\$2,430 00	\$2,298 30				5,164	\$4,728 30
Week ending August 5.....	608	399	\$486 00	\$461 16	27	12	26	1,007	\$947 16
" " 12.....	614	396	486 00	459 66	27	12	27	1,010	945 66
" " 19.....	622	378	495 00	450 66	28	12	26	1,000	945 66
" " 26.....	623	396	486 00	459 66	27	12	26	1,019	945 66
	2,467	1,569	\$1,953 00	\$1,831 14				4,036	\$3,784 14
Week ending September 2.....	615	421	\$486 00	\$459 66	27	12	26	1,036	\$945 66
" " 10.....	618	396	486 00	459 66	27	12	26	1,014	945 66
" " 17.....	608	396	486 00	459 66	27	12	26	1,004	945 66
" " 23.....	751	396	483 00	459 66	27	12	26	1,147	942 66
" " 30.....	725	396	486 00	458 00	27	12	26	1,121	944 00
	3,317	2,005	\$2,427 00	\$2,296 64				5,322	\$4,723 64
Week ending October 7.....	719	396	\$486 00	\$459 67	27	12	26	1,115	\$945 67
" " 14.....	713	396	486 00	436 33	27	12	27	1,109	922 33
" " 21.....	695	342	486 00	458 00	27	12	26	1,037	944 00
" " 28.....	715	387	486 00	459 66	27	12	26	1,102	945 66
	2,842	1,521	\$1,944 00	\$1,813 66				4,363	\$3,757 66
Week ending November 4.....	715	360	\$486 00	\$454 66	27	12	26	1,075	\$940 66
" " 11.....	713	324	486 00	440 50	27	12	26	1,037	926 50
" " 18.....	724	360	483 00	459 66	27	12	26	1,084	942 66
" " 25.....	725	384	486 00	459 66	27	12	26	1,109	945 66
	2,977	1,428	\$1,941 00	\$1,804 48				4,305	\$3,755 48

TABLE A—Continued.

FIFTH DISTRICT.											
HENRY LANCASTER, SUPT.											
Week ending	December 2	.....	Number of Loads of Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Garbage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.
Week ending	December 2	.....	842	420	\$486 00	\$453 82	27	12	26	1,262	\$939 82
"	"	9	826	360	486 00	455 50	27	12	26	1,186	941 50
"	"	16	826	360	486 00	454 66	27	12	26	1,186	940 66
"	"	23	825	396	486 00	459 66	27	12	26	1,221	945 66
"	"	30	777	482	486 00	458 00	27	12	26	1,259	944 00
			4,096	2,018	\$2,430 00	\$2,281 64				6,114	\$4,711 64
SIXTH DISTRICT.											
A. M. MARSH, SUPT.											
Week ending	January 4	.....	Number of Loads of Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Garbage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.
Week ending	January 4	.....	1,241	684	\$522 00	\$393 44	29	11	24	1,925	\$915 44
"	"	11	1,292	698	522 00	403 12	29	11	24	1,990	925 12
"	"	18	1,297	726	522 00	422 98	29	11	24	2,023	944 98
"	"	25	1,308	627	522 00	381 77	29	10	24	1,935	903 77
			5,138	2,735	\$2,088 00	\$1,601 31				7,873	\$3,689 31

Week ending February 1.....	1,299	663	\$522 00	\$391 60	29	11	24	1,962	\$913 60
" " 8.....	1,299	578	522 00	331 56	29	11	25	1,877	853 56
" " 15.....	1,291	681	522 00	398 62	29	11	24	1,972	920 62
" " 22.....	1,311	403	522 00	334 93	29	11	27	1,714	856 93
" " 29.....	1,285	481	516 00	441 25	29	11	27	1,766	957 25
	6,485	2,806	\$2,604 00	\$1,897 96				9,291	\$4,501 96
Week ending March 7.....	1,286	469	\$520 50	\$371 79	29	11	27	1,755	\$892 29
" " 14.....	1,292	459	504 00	400 40	28	11	27	1,751	904 40
" " 21.....	1,359	412	519 00	269 91	29	12	27	1,771	788 91
" " 26.....	1,230	395	435 00	386 63	29	11	27	1,625	821 63
	5,167	1,735	\$1,978 50	\$1,428 73				6,902	\$3,407 23
Week ending April 2.....	1,269	406	\$516 00	\$392 44	29	11	27	1,675	\$908 44
" " 9.....	1,287	423	513 00	434 40	29	11	27	1,710	947 40
" " 16.....	1,299	478	522 00	458 25	29	11	27	1,777	980 25
" " 23.....	1,282	486	522 00	464 64	29	11	27	1,768	986 64
" " 30.....	1,150	485	522 00	470 47	29	11	28	1,635	992 47
	6,287	2,278	\$2,595 00	\$2,220 20				8,565	\$4,815 20
Week ending May 7.....	1,149	513	\$516 00	\$468 95	29	12	28	1,662	\$984 95
" " 14.....	1,143	479	522 00	459 82	29	11	27	1,622	981 82
" " 21.....	1,040	468	522 00	437 11	29	11	28	1,508	959 11
" " 28.....	1,119	462	522 00	427 63	29	11	26	1,581	949 63
	4,451	1,922	\$2,082 00	\$1,793 51				6,373	\$3,875 51
Week ending June 3.....	931	472	\$522 00	\$454 83	29	11	26	1,403	\$976 83
" " 10.....	898	472	522 00	454 83	29	11	26	1,370	976 83
" " 17.....	890	472	522 00	456 50	29	11	26	1,362	978 50
" " 24.....	895	472	522 00	456 50	29	11	26	1,367	978 50
	3,614	1,888	\$2,088 00	\$1,822 66				5,502	\$3,910 66

TABLE A—Continued.

SIXTH DISTRICT.

A. M. MARSH, SUPT.

	Number of Loads of Garbage and Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Gar- bage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.
Week ending July 1.....	863	436	\$522 00	\$420 93	29	11	26	1,299	\$942 93
" " 8.....	870	399	522 00	415 10	29	12	27	1,269	937 10
" " 15.....	792	472	522 00	429 28	30	12	27	1,264	951 28
" " 22.....	900	426	522 00	450 66	29	11	27	1,326	972 66
" " 29.....	838	468	522 00	451 81	29	11	28	1,306	973 81
	4,263	2,201	\$2,610 00	\$2,167 78				6,464	\$4,777 78
Week ending August 5.....	924	470	\$522 00	\$455 83	29	11	27	1,394	\$977 83
" " 12.....	932	474	522 00	457 99	29	11	27	1,406	979 99
" " 19.....	924	466	522 00	453 48	29	11	27	1,380	975 48
" " 26.....	820	472	519 00	454 66	29	11	26	1,292	973 66
	3,600	1,882	\$2,085 00	\$1,821 96				5,482	\$3,906 96
Week ending September 2.....	776	472	\$522 00	\$454 99	29	11	26	1,248	\$976 99
" " 10.....	814	474	522 00	456 50	29	11	26	1,288	978 50
" " 17.....	832	470	522 00	455 00	29	11	26	1,302	977 00
" " 23.....	894	474	522 00	455 65	29	11	26	1,368	977 65
" " 30.....	846	479	522 00	457 99	29	11	26	1,325	979 99
	4,162	2,369	\$2,610 00	\$2,280 13				6,531	\$4,890 13

Week ending October 7.....	859	476	\$522 00	\$457 98	29	11	27	1,335	\$979 98
" " " 14.....	921	458	522 00	441 26	29	11	27	1,379	963 26
" " " 21.....	854	476	522 00	456 48	29	11	27	1,330	978 48
" " " 28.....	846	377	522 00	457 98	29	11	27	1,223	979 98
	3,480	1,787	\$2,088 00	\$1,813 70				5,267	\$3,901 70
Week ending November 4.....	833	362	\$522 00	\$457 98	29	11	27	1,195	\$979 98
" " " 11.....	879	337	522 00	449 30	29	11	27	1,216	971 30
" " " 18.....	919	397	519 00	457 97	29	11	27	1,316	976 97
" " " 25.....	963	382	522 00	456 31	29	11	27	1,345	978 31
	3,594	1,478	\$2,085 00	\$1,821 56				5,072	\$3,906 56
Week ending December 2.....	997	370	\$522 00	\$448 11	29	11	27	1,367	\$970 11
" " " 9.....	1,070	382	522 00	457 98	29	11	27	1,452	979 98
" " " 16.....	1,027	384	522 00	457 98	29	11	27	1,411	979 98
" " " 23.....	1,095	388	522 00	457 98	29	11	27	1,483	979 98
" " " 30.....	1,105	339	522 00	452 97	29	11	27	1,444	974 97
	5,294	1,863	\$2,610 00	\$2,275 02				7,157	\$4,885 02
SEVENTH DISTRICT, ANNEX.									
ALEXANDER HARRISON, SUPT.									
Week ending January 4.....	375	237	\$270 00	\$220 00	15	5	13	612	\$490 00
" " " 11.....	572	309	270 00	220 00	15	5	13	881	490 00
" " " 18.....	572	269	270 00	215 00	15	6	13	841	485 00
" " " 25.....	564	322	270 00	222 26	15	6	13	886	492 26
	2,083	1,137	\$1,080 00	\$877 26				3,220	\$1,957 26

TABLE A—Continued.

SEVENTH DISTRICT, ANNEX.										
ALEXANDER HARRISON, SUPT.										
	Number of Loads of Garbage and Ashes Removed.	Number of Loads of Street Dirt, Sand, etc., Removed.	Amount Paid for Removal of Garbage.	Amount Paid for the Removal of Street Dirt, Sand, etc.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Scrapers and Sweepers Employed.	Total Number of Loads Removed.	Total Amount of Money Paid for Wages.	
Week ending February 1.....	565	146	\$270 00	\$204 61	15	6	13	711	\$474 61	
" " 8.....	565	208	270 00	174 50	15	6	13	773	444 50	
" " 15.....	562	217	270 00	192 00	15	6	13	779	462 00	
" " 22.....	562	258	270 00	232 50	15	6	13	820	502 50	
" " 29.....	556	280	270 00	233 83	15	6	13	836	503 83	
	2,810	1,109	\$1,350 00	\$1,037 44				3,919	\$2,387 44	
Week ending March 7.....	562	257	\$270 00	\$234 16	15	6	13	819	\$504 16	
" " 14.....	552	170	270 00	189 50	15	6	13	722	459 50	
" " 21.....	552	211	270 00	191 12	15	6	13	763	461 12	
" " 26.....	563	222	270 00	193 33	15	6	13	785	463 33	
	2,229	860	\$1,080 00	\$808 11				3,089	\$1,888 11	
Week ending April 2.....	460	198	\$225 00	\$182 50	15	6	13	658	\$407 50	
" " 9.....	559	204	270 00	195 33	15	6	13	763	465 33	
" " 16.....	534	273	270 00	230 50	15	6	13	807	500 50	
" " 23.....	498	281	270 00	231 33	15	6	13	779	501 33	
" " 30.....	491	257	270 00	216 50	15	6	13	748	486 50	
	2,542	1,213	\$1,305 00	\$1,056 16				3,755	\$2,361 16	

Week ending May 7.....	474	256	\$279 00	\$220 16	16	6	13	730	\$499 16
" " 14.....	482	259	288 00	220 66	16	6	13	741	508 66
" " 21.....	404	267	288 00	233 33	16	6	13	731	521 33
" " 28.....	465	276	288 00	226 33	16	6	13	741	514 33
	1,885	1,058	\$1,143 00	\$900 48				2,943	\$2,043 48
Week ending June 3.....	465	259	\$288 00	\$234 00	16	6	13	724	\$522 50
" " 10.....	465	282	288 00	236 33	16	6	13	747	524 33
" " 17.....	462	266	288 00	232 50	16	6	13	728	520 50
" " 24.....	367	279	288 00	235 50	16	6	13	646	523 50
	1,759	1,086	\$1,152 00	\$938 33				2,845	\$2,090 33
Week ending July 1.....	367	274	\$396 00	\$128 33	16	6	13	641	\$524 33
" " 8.....	367	275	396 00	126 66	16	6	13	642	622 66
" " 15.....	367	277	393 00	128 33	16	6	13	644	521 33
" " 22.....	341	272	285 00	231 66	16	6	13	613	516 66
" " 29.....	341	275	288 00	234 66	16	6	13	616	522 66
	1,783	1,373	\$1,758 00	\$849 64				3,156	\$2,607 64
Week ending August 5.....	337	266	\$288 00	\$231 66	16	6	13	603	\$519 66
" " 12.....	343	252	288 00	229 83	16	6	13	595	517 83
" " 19.....	351	227	306 00	215 00	17	5	13	578	521 00
" " 26.....	358	205	306 00	217 50	17	5	13	563	523 50
	1,389	950	\$1,188 00	\$893 99				2,339	\$2,081 99
Week ending September 2.....	352	234	\$303 00	\$210 83	17	5	13	586	\$513 83
" " 10.....	353	216	306 00	215 83	17	5	13	589	521 83
" " 17.....	353	212	306 00	215 00	17	5	13	565	521 00
" " 23.....	344	209	306 00	211 83	17	5	13	553	517 83
" " 30.....	355	211	306 00	215 00	17	5	13	566	521 00
	1,757	1,082	\$1,527 00	\$1,068 49				2,859	\$2,595 49

TABLE A—Concluded.

SEVENTH DISTRICT, ANNEX.		Number of Loads of Ashes Removed.		Number of Loads of Street Dirt, Sand, etc., Removed.		Amount Paid for Removal of Garbage.		Amount Paid for the Removal of Street Dirt, Sand, etc.		Number of Garbage and Scrapers Employed.		Total Number of Loads Removed.		Total Amount of Money Paid for Wages.	
ALEXANDER HARRISON, SUPT.															
Week ending	October 7	358	203	\$306 00		\$215 83		17		5		13		\$521 83	
"	"	418	172	306 00		185 00		17		5		13		491 00	
"	"	432	190	306 00		215 00		17		5		13		521 00	
"	"	429	200	306 00		218 33		17		5		13		524 33	
		1,637	765	\$1,224 00		\$834 16						2,402		\$2,058 16	
Week ending	November 4	440	201	\$306 00		\$213 33		17		5		13		\$519 33	
"	"	450	163	306 00		181 66		17		5		13		487 66	
"	"	449	203	306 00		217 00		17		5		13		523 00	
"	"	449	177	306 00		212 00		17		5		13		518 00	
		1,788	744	\$1,224 00		\$823 99						2,532		\$2,047 99	
Week ending	December 2	460	181	\$306 00		\$220 00		17		5		13		\$526 00	
"	"	509	179	306 00		211 66		17		5		13		517 66	
"	"	507	175	306 00		217 50		17		5		13		523 50	
"	"	507	163	306 00		211 63		17		5		13		517 63	
"	"	519	194	306 00		213 66		17		5		13		519 66	
		2,502	892	\$1,530 00		\$1,074 45						3,394		\$2,604 45	

TABLE B.

Report of work done, including expenses, in the Department of Street Cleaning for each month of the year ending December 31, 1896, and amount expended for salaries, dumps, etc.; also, total amount of receipts for sale of street dirt.

	Total Number of Loads of Garbage, Collected and Removed.	Total Number of Loads of Street Dirt, Sand, Snow, Ice, etc., Collected.	Cost of Collecting and Removing Garbage.	Cost of Collecting and Removing Street Dirt, Sand, Ice, Snow, etc.	Cost of Several Dumps.	Salaries, Including Salary of the Superintendent of the Annex.	Cost for Sweeping Machines, Sprinklers, Horse Hire, etc.
January	22,368	14,535	\$11,551 56	\$12,012 76	\$379 68	\$833 30	\$ 849 15
February	25,159	13,291	12,435 00	12,298 85	328 00	833 30	752 84
March	24,657	13,820	12,550 50	13,465 04	288 46	833 30	683 10
April	26,004	15,703	13,848 00	15,931 35	280 54	833 40	1,530 54
May	19,933	13,888	11,709 00	13,435 77	370 00	833 30	2,783 16
June	19,754	14,897	12,687 67	14,157 33	197 90	833 30	1,782 07
July	20,360	15,204	14,058 00	14,993 81	199 30	833 30	2,630 53
August	22,165	14,732	12,690 00	14,248 67	197 75	833 40	2,066 59
September	19,854	16,211	14,157 00	15,076 97	197 00	833 30	1,618 24
October	22,227	13,365	12,816 00	13,837 54	197 00	821 27	1,765 39
November	18,005	10,716	12,018 00	12,708 83	197 75	802 07	1,400 85
December	24,017	12,650	14,236 50	14,936 30	197 00	868 24	1,193 02
	264,503	169,012	\$154,757 23	\$167,103 22	\$3,030 38	\$9,991 48	\$19,055 48

TABLE B—Concluded.

	Cost of Tools for the Annex.	Paid to S. D. Brad- ford & Co., for the Removal of Garbage.	Number of Garbage Carts Employed.	Number of Street Carts Employed.	Number of Sweep- ers and Scrapers Employed.	Total Number of Loads of All Kinds Removed.	Total Expenditures for Work Done in Street and Gar- bage Department	Total Amounts of Moneys Received and Paid to the Comptroller.
January.....	.....	\$4,700 00	162	77	177	36,903	\$30,326 45	.....
February.....	.....	.....	162	78	179	38,450	26,647 99	.....
March.....	.....	.....	162	86	184	38,477	27,820 40	\$ 5 00
April.....	.....	2,350 00	162	86	187	41,707	34,773 83	*95 50
May.....	.....	.....	163	83	178	33,821	29,186 23	26 00
June.....	\$55 00	.....	165	83	180	34,651	29,658 27	22 00
July.....	.....	2,350 00	165	83	180	35,564	35,664 94	19 00
August.....	.....	.....	165	82	180	36,897	30,036 41	7 00
September.....	.....	.....	166	82	179	36,065	31,882 51	37 00
October.....	33 60	.....	167	81	179	35,592	29,470 80	149 50
November.....	.....	.....	167	81	179	28,721	27,127 50	270 00
December.....	32 00	.....	167	82	179	36,667	31,463 06	146 50
	\$120 60	\$9,400 00				433,515	\$363,458 39	\$777 50

* This amount includes \$80 for sale of a horse.

TABLE C.
Recapitulation.

Total number of loads of garbage and ashes collected and removed from January 1 to December 31, 1896.....	264,503
Total number of loads of street dirt, sand, etc., collected and removed from January 1 to December 31, 1896.....	167,012
Total number of loads of all kinds removed during the year.	433,515
Total amount paid for collecting and removing garbage and ashes from January 1 to December 31, 1896.....	\$154,757 23
Total amount paid for collecting and removing street dirt, sand, etc., from January 1 to December 31, 1896.....	167,103 22
Total amount paid for Dumps Nos. 1, 2 and 3 from January 1 to December 31, 1896.....	3,030 38
Total amount paid for salaries from January 1 to December 1, 1896.....	9,991 48
Total amount paid for sweeping machines, sprinklers, etc., from January 1 to December 31, 1896.....	19,055 48
Total amount paid for tools in Annex from January 1 to December 31, 1896...	120 60
Total amount paid to S. D. Bradford & Co. for removal of garbage	9,400 00
	<u>\$363,458 39</u>
Total amount of money received from the sale of street dirt during the year.....	\$432 50
Amount paid to the Comptroller for street dirt and ashes by C. M. Ellinger as per contract.....	250 00
Amount of money received from the sale of a horse and Dayton wagon.....	95 00
	<u>\$777 50</u>
Total number of garbage cart drivers in the employ of this department.....	167
Total number of street cart drivers in the employ of this department.....	82
Total number of street sweepers and scrapers in the employ of this department.....	179
	<u>428</u>

TABLE D.

Financial Statement of the Street Cleaning Department Appropriation from January 1, 1896, to December 31, 1896.

	Amounts of Appropriations	Revenue from Sale of Street Dirt, etc.	Expenditure for the Twelve Months Ending De- cember 31, 1896	Debit Balances December 31, 1896.	Credit Balances December 31, 1896.
Garbage carts and men.....	\$140,400 00	.....	\$139,509 79	.....	\$ 890 21
Street carts and men.....	72,752 00	.....	69,046 62	.....	3,705 38
Sweepers and scrapers.....	85,000 00	.....	86,365 10	\$1,565 10	.....
Salaries.....	9,000 00	.....	8,991 48	.....	8 52
Sweeping machines, sprinklers, hire of horses, etc.....	15,000 00	.....	19,055 48	4,055 48	.....
Dumps.....	3,964 00	.....	3,030 38	.....	933 62
Removal of garbage.....	9,400 00	.....	9,400 00	.....	.....
Garbage carts and men, Annex.....	14,976 00	.....	15,247 44	271 44	.....
Street carts and men, Annex.....	5,616 00	.....	4,993 50	.....	622 50
Sweepers and scrapers, Annex.....	6,760 00	.....	6,498 00	.....	262 00
Salary of superintendent, Annex.....	1,000 00	.....	1,000 00	.....	.....
Tools, Annex.....	125 00	.....	120 60	.....	4 40
Sale of street dirt, ashes, etc.....	.....	\$777 50	.....	.....	777 50
	\$363,993 00	\$777 50	\$363,458 39	\$5,892 02	\$7,204 13
On November 2, 1896, the Mayor and City Council of Baltimore passed a resolution empowering the Commissioner of Street Cleaning to use the surplus from one or more branches of the Street Cleaning Department to cover the deficiencies that shall appear in one or more branches of said department. This accounts for the deficiencies in the several branches of the Street Cleaning Department on the above table.					
Total amount of appropriation.....				\$363,993 00	
Total amount of appropriation expended.....				363,458 39	
Revenue from sale of street dirt, etc.....				\$534 61	
				777 50	
Total amount transferred to city treasury.....					\$1,312 11

TABLE E.

Showing Disbursements for Year Ending December 31, 1896, not Including City Annex.

Total amount expended for collecting and removing garbage and ashes from January 1 to December 31, 1896.....	\$139,509 79
Total amount expended for street carts and men from January 1 to December 31, 1896.....	69,046 62
Total amount expended for sweepers, scrapers, tools, incidentals, etc., from January 1 to December 31, 1896.....	86,565 10
Amount expended for dumps from January 1 to December 31, 1896.....	3,030 38
Amount expended for salaries from January 1 to December 31, 1896.....	8,991 48
Amount expended for sweeping machines, sprinklers, etc., from January 1 to December 31, 1896.....	19,055 48
Paid to S. D. Bradford & Co. for removal of garbage.....	9,400 00
	<u>\$335,598 85</u>
Amount of appropriation for the Department of Street Cleaning for the year 1896	\$335,516 00
Amount transferred from the appropriation for the Annex.....	500 00
	<u>\$336,016 00</u>
Amount of appropriation expended.....	335,598 85
Total unexpended balance.....	<u>\$417 15</u>

TABLE F.

Showing Disbursements in the City Annex for Year Ending
December 31, 1896.

Total amount expended for collecting and removing garbage and ashes from January 1 to December 31, 1896.....	\$15,247 44
Total amount expended for collecting and removing street dirt, sand, etc., from January 1 to December 31, 1896....	4,993 50
Total amount expended for sweepers and scrapers from January 1 to December 31, 1896.....	6,498 00
Amount paid for salary of Superintendent from January 1 to December 31, 1896.....	1,000 00
Amount expended for tools.....	120 60
	<hr/>
	\$27,859 54
Total amount of appropriation for the City Annex for year 1896.....	\$28,447 00
Amount transferred to city appropriation.....	500 00
	<hr/>
Amount of appropriation expended.....	\$27,977 00
	27,859 54
	<hr/>
Total unexpended balance.....	\$117 46

TABLE H.

Number of Dead Animals, etc., Removed in the Eastern and Western Districts from May 15, 1896, to December 31, 1896.

	EASTERN DISTRICT.	WESTERN DISTRICT.	TOTALS.
Dogs.....	1,475	1,203	2,678
Cats.....	2,909	3,191	6,100
Rats.....	310	527	837
Chickens ..	290	671	961
Ducks.....	.....	22	22
Geese.....	4	1	5
Pigeons ..	3	40	43
Goats.....	9	4	13
Fish.....	353	454	807
Crabs.....	297	616	913
Decayed Meat (pounds).....	35	44	79

Total number of dead animals.....	9,628
Total number of dead fowls	11,031
Total number of dead fish and crabs.....	1,720
Total number of pounds of decayed meats.....	79

ANNUAL REPORT

— OF THE —

WATER DEPARTMENT

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.

THE WATER BOARD OF BALTIMORE CITY

DECEMBER 31, 1896.

HON. ALCAEUS HOOPER, MAYOR,

Ex-officio President.

WALTER B. SWINDELL, *Secretary.*

THOMAS J. HAYWARD,

LEOPOLD STROUSE,

BERNARD GILPIN,

WILLIAM H. ROTHROCK,

JOHN F. O'HARA.

OFFICERS OF THE WATER BOARD.

WATER REGISTRAR:

JAMES A. MARRIAN.

CHIEF ENGINEER:

WILLIAM L. KENLY.

REPORT.

BOARD OF WATER COMMISSIONERS—CITY HALL,

BALTIMORE, January 1, 1897.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: In compliance with Article 54, Section 3, of the Baltimore City Code 1893, the Water Board has the honor of submitting for your consideration its report for the past year:

Amount of revenue received during the year and deposited with the City Register, including water tax, sales of 1945	
Stock and interest from bank on deposits	\$802,129 26
Add amount to credit of Water Board December 31, 1895....	116,301 60
	<hr/>
	\$918,430 86
Disbursements paid by warrants approved by Board during the year, including \$348,840 surplus paid to Commissioners of Finance.....	999,141 07
	<hr/>
Showing amount due Mayor and City Council.....	\$80,710 21
Less balance in hands of Water Registrar December 31, 1896..	2,951 11
	<hr/>
Deficit December 31, 1896	\$77,759 10

This shortage is explained by the fact that the Commissioners of Finance, in accordance with the law, were paid the sum of \$348,840, the surplus on hand May 1st, after paying interest due.

The revenue for the year from water rents and meter rents was.....	\$769,566 69
Less discount on 1896 water rents.....	36,458 51
	<hr/>
	\$733,108 18
The receipts from same sources in 1895 were.....	707,237 14
	<hr/>
Showing an increase in water rents of.....	\$25,871 04
The total net collections, including water rents, plumbing bills, water tax, and sundry items for hay, ice, etc., from the various reservoirs was.....	\$782,658 77
Collections from same sources in 1895 amounted to.....	777,122 13
	<hr/>
Showing an increase of.....	\$5,536 64

The receipts for water tax from the City Collector, amounting to \$3,267.30 for the year, are from levies for 1894 and previous years, no levy being now made for use of water in any of the departments of the city government, embracing City Hall, Jail, engine and school-houses, etc. The ordinance providing a levy for this purpose was not continued in force after 1894.

No appropriations were made in 1896 by the Mayor and City Council for fire-plugs and fountains, as has been the custom in former years, and consequently the work was paid for out of the revenue of the department.

The disbursements for the past year were as follows:

For distributing mains.....	\$120,689 11
“ fire-plugs and fountains.....	14,049 52
“ tools and fixtures, returned money, etc.....	3,997 80
“ extension of water supply.....	12,779 57
“ working expenses.....	188,785 07
“ interest on \$6,500,000 Water Stock.....	310,000 00
	<hr/>
	\$650,300 97

The disbursements for 1895 were \$609,573.47.

It is expected that the net revenue of the department for 1897 will be increased about \$20,000 from the reduction made in the rates of discount to consumers; this amount will be further increased by \$12,599.50 by discoveries made by the inspectors of the department. The discoveries in 1895 amounted to \$2,398, showing an increase of \$10,201.50 in 1896.

Work has commenced on the extension and reinforcement of the water system, for which a loan of \$2,000,000 was authorized. In this connection plans have been prepared for additional reservoirs and pumping stations, and the work is being pushed as rapidly as its magnitude permits with prudence.

Stock amounting to \$12,600 has been sold out of this loan thus far.

Changes are being made in the system of keeping accounts and rendering bills in the Registrar's Department, and it is confidently expected, at an early date, to have the department in such uniform and excellent working condition as to greatly facilitate the public in the transaction of business connected with it.

The Board made an appropriation of \$3,500 out of its funds for the erection of a metallic circuit, independent tele-

phone line to connect all the lakes and reservoirs of the department with the Chief Engineer's Office, City Hall. This work was entrusted to Mr. Leona Lemon, Superintendent of the Police and Fire-alarm Telegraph, who has completed it in a most satisfactory manner at a cost of \$3,539.33. Eleven stations have been established. The department is also connected with the Telephone Exchange by having phones at the office of Chief Engineer and Old City Hall, which cost \$250 per annum. Besides giving the department a very decidedly more satisfactory service, by owning its own line, an annual cost of \$1,375, which a metallic circuit would have cost in rentals, is reduced to \$391.57, which amount is obtained by allowing 4 per cent. on the investment annually, which amounts to \$141.57, and adding the \$250 paid in rentals.

In connection with the extension of water supply, the Board has awarded the largest contract ever given by the department for pipe, 26,000 tons, more or less, having been ordered from the National Pipe and Foundry Company of Scottdale, Pa., they having been the lowest bidders.

The special water rates established for many years have been rerated.

A change has been put in operation for the introduction of service into new property. When application is made for introduction of supply, the cost of same must be paid in advance, whereas formerly the bills were not collected until after the work was done. While this was apparently correct, yet in many cases it worked a hardship upon individuals who bought new property, who were unable to obtain a water supply unless they paid the outstanding plumbing bill for work done by the department against the builder.

There were 81 meters and 3 indicators placed in operation during the year; 16 meters and 1 indicator were withdrawn from service, leaving in service 1,220 meters and 410 indicators. The number of fire-plugs erected was 173, making a total of 1,757 in the city. There are in the city 214 public fountains, 8 of which were erected during the year; 5 old ones replaced by new, and 1 removed from Pitcher street and Pennsylvania avenue. The pumps were operated at the Eastern Pumping Station 9,501 hours during 1896, and pumped 2,882,619,204 gallons of water to the higher elevations of the city at a cost of $\frac{525}{1000}$ of a cent per 1,000 gallons.

The pumps in the Western Pumping Station were oper-

ated 326 hours during 1896, and pumped 45,133,222 gallons of water to the Western High Service Reservoir at a cost of $1\frac{3.1}{1000}$ cents per 1,000 gallons. The lakes, reservoirs, tunnels and brick conduits in the department are all in good order. The average daily consumption of water from the middle service was 16,945,970 gallons, and from the lower service supply it was 44,077,959 gallons, an increase over that used during 1895 from both supplies of 3,891,985 gallons.

The contractors for dredging at Loch Raven completed their contract December 13th, 1896; 307,109 cubic yards of deposit were removed, and there is now a clean basin with an average depth of 15 feet for a distance of 1,500 feet above the dam.

By removing a portion of the wooden fence around the pumping station, corner of Oliver and Wolfe streets, and having a grass plat with flower beds and granite kerbing placed in front of the power-house, a great improvement has been made in the appearance of this property, adding very materially to its ornamental features. This work was done at a cost of \$1,000.

We hand you herewith reports of Water Registrar and Chief Engineer, with statements attached, showing the workings in detail of the department for the past year.

Respectfully,

WALTER B. SWINDELL, *Secretary.*

T. J. HAYWARD,	}	<i>Water Commissioners.</i>
BERNARD GILPIN,		
JOHN F. O'HARA,		
WM. H. ROTHROCK,		
LEOPOLD STROUSE,		

WATER REGISTRAR'S REPORT.

WATER REGISTRAR'S OFFICE—CITY HALL,

BALTIMORE, December 31, 1896.

To the Honorable the President and Members of the Water Board:

GENTLEMEN: In compliance with Article 54, Section 3, of the Baltimore City Code of 1893, the Registrar has had prepared and submits the following statements, showing the receipts and disbursements of the Registrar's Department for the year 1896, and the sources from which the revenue was received.

The receipts for the year were as follows:

From 1896 water rents.....	\$438,777 98
“ 1895 “ “	143,865 35
“ 1894 “ “	6,338 62
“ 1893 “ “	2,405 33
“ meter “	178,179 41
	<hr/>
	\$769,566 69
Less discount on 1896 water rents.....	36,458 51
	<hr/>
	\$733,108 18
From interest on back water rents.....	3,134 51
“ plumbing bills.....	40,155 28
“ distributing mains.....	1,262 40
“ Lake Montebello.....	329 97
“ Loch Raven	231 03
“ Lake Roland.....	905 27
“ Eastern Pumping Station.....	91 38
“ Lake Clifton.....	30 00
“ Druid Lake.....	20 50
“ pumps and fountains.....	10 00
“ current expenses.....	112 95
“ Engineer's Department.....	3,083 30
“ profit and loss.....	3,559 82
“ water tax.....	3,267 30
“ Mayor and City Council for 1945 Water Stock sold.....	12,600 00
“ bank for interest on deposits.....	712 95
	<hr/>
	\$802,614 84

The disbursements for the year were as follows :

Paid Plumbing Department	\$27,562 05
“ repairs	21,765 64
“ Lake Montebello	2,644 08
“ current expenses	9,081 71
“ Western Pumping Station	2,033 28
“ Lake Roland	3,180 05
“ salaries	36,484 03
“ Hampden Reservoir	1,286 50
“ Loch Raven	55,977 52
“ Lake Clifton	4,322 34
“ Druid Lake	3,154 10
“ Mt. Royal Reservoir	958 69
“ High-service Reservoir	222 90
“ water courses	370 95
“ Jones Falls' conduit	120 00
“ Eastern Pumping Station	16,553 33
“ Guilford Reservoir	765 76
“ stationery and printing	2,302 14
Working expenses	<u>\$188,785 07</u>
Paid distributing mains	120,689 11
“ fire-plugs	11,644 69
“ pumps and fountains	2,404 83
“ tools and fixtures	2,990 56
“ returned money	1,007 24
“ extension of water supply	12,779 57
“ interest	310,000 00
“ Commissioners of Finance	<u>348,840 00</u>
	<u>\$999,141 07</u>

The following statements exhibit in detail the financial transactions of the department for the year 1896:

- Statement A—Water Registrar's cash account.
 “ B—Water Registrar's disbursement account.
 “ C—Trial balance, general ledger.
 “ D—Balance sheet.
 “ E—Receipts.
 “ F—Disbursements.
 “ G—New supplies.
 “ H—Abatements.
 “ I—Comparative receipts.
 “ K—Balances remaining on the books of the
 department December 31, 1896.
 “ L—Revenue.

Most respectfully submitted.

JAMES. A. MARRIAN,
Water Registrar.

STATEMENTS.

STATEMENT A.

WATER REGISTRAR'S CASH ACCOUNT FOR THE YEAR 1896.

	<i>Dr.</i>	<i>Cr.</i>
To balance on hand December 31, 1895.....	\$ 2,465 53	
“ water rents for 1896.....	\$438,777 98	
Less discount.....	36,458 51	
	402,319 47	
To water rents for 1895.....	143,865 35	
“ “ “ “ 1894.....	6,338 62	
“ “ “ “ 1893.....	2,405 33	
“ interest on back water rents.....	3,134 51	
“ plumbing bills.....	40,155 28	
“ meter rents.....	178,179 41	
“ Lake Roland.....	905 27	
“ Loch Raven.....	231 03	
“ distributing mains.....	1,262 40	
“ Lake Clifton.....	30 00	
“ pumps and fountains.....	10 00	
“ Eastern Pumping Station.....	91 38	
“ Lake Montebello.....	329 97	
“ current expenses.....	112 95	
“ Druid Lake.....	20 50	
“ water tax.....	3,267 30	
“ Engineer's Department.....	3,083 30	
“ profit and loss.....	3,559 82	
“ 1945 $3\frac{1}{2}$ Per Cent. Water Stock (sold).....	12,600 00	
“ interest from deposits in bank.....	712 95	
By deposits with City Register—		
January.....		\$142,953 52
February.....		246,353 37
March.....		41,374 59
April.....		69,866 90
May.....		52,563 34
June.....		28,111 86
July.....		68,284 47
August.....		11,760 44
September.....		14,971 66
October.....		62,509 25
November.....		12,375 74
December.....		34,423 87
By sales of 1945 $3\frac{1}{2}$ Per Cent. Stock.....		12,600 00
“ water tax deposited with City Register....		3,267 30
“ balance on hand December 31. 1896.....		2,951 11
“ interest from deposits in bank.....		712 95
	\$805,080 37	\$805,080 37

STATEMENT B.

WATER REGISTRAR'S DISBURSEMENT ACCOUNT FOR THE YEAR 1896.

	<i>Dr.</i>	<i>Cr.</i>
To Water Board warrants drawn by the Water Board on the City Comptroller during the year.....	\$999,141 07	
By Commissioners of Finance.....		\$348,840 00
“ distributing mains.....		120,689 11
“ fire-plugs.....		11,644 69
“ pumps and fountains.....		2,404 83
“ tools and fixtures.....		2,990 56
“ returned money.....		1,007 24
“ Plumbing Department.....		27,562 05
“ repairs.....		21,765 64
“ Lake Montebello.....		2,644 08
“ current expenses.....		9,081 71
“ Western Pumping Station.....		2,033 28
“ Lake Roland.....		3,180 05
“ Engineer's Department.....		9,341 45
“ Registrar's Department.....		27,142 58
“ Hampden Reservoir.....		1,286 50
“ Loch Raven.....		55,977 52
“ Lake Clifton.....		4,322 34
“ Druid Lake.....		3,154 10
“ Mount Royal Reservoir.....		958 69
“ High-service Reservoir.....		222 90
“ water courses.....		370 95
“ Jones Falls' conduit.....		120 00
“ Eastern Pumping Station.....		16,553 33
“ Guilford Reservoir.....		765 76
“ stationery and printing.....		2,302 14
“ interest.....		310,000 00
“ extension of water supply.....		12,779 57
	\$999,141 07	\$999,141 07

STATEMENT D.

BALANCE SHEET, GENERAL LEDGER, DECEMBER 31, 1896.

<i>Folio.</i>	<i>Dr.</i>	<i>Folio.</i>	<i>Cr.</i>
6 Construction of new work.....	\$8,941,955 27	1 City Five Per Cent. Water Stock.....	\$5,000,000 00
8 Real estate and water rights.....	771,718 87	1 City Four Per Cent. Water Stock.....	1,500,000 00
10 Gunpowder real estate and water rights.....	235,593 23	1 City Water Stock redeemed,	4,000,000 00
16 Commissioners of Finance.....	348,840 00	7 City Three-and-a-half Per Cent. Water Stock.....	12,600 00
115 Water Registrar's cash	2,951 11	2 Profit and loss.....	2,677,428 09
174 Distributing mains.....	2,943,560 12	65 Mayor and City Council	80,710 21
190 Tools and fixtures.....	7,340 13		
196 Water meters	6,000 00		
390 Extension of water supply.....	12,779 57		
	\$13,270,738 30		\$13,270,738 30

STATEMENT E.

RECEIPTS OF THE WATER DEPARTMENT FOR THE YEAR 1896.

[illegible]

STATEMENT F.

DISBURSEMENTS OF THE WATER DEPARTMENT FOR THE YEAR 1896.

	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	
Distributing mains.....	\$3,872 83	\$6,878 74	\$7,372 03	\$13,051 36	\$10,515 78	\$13,910 07	\$12,664 16	\$10,618 77	\$13,862 55	\$19,782 17	\$4,445 40	\$3,715 25	\$120,689 11
Fire-plugs.....	480 90	343 77	505 09	1,566 25	940 51	3,115 70	1,586 12	1,212 36	449 48	370 54	395 71	678 26	11,644 69
Pumps and fountains.....	274 57	191 25	158 06	185 48	132 23	158 76	167 47	215 96	142 80	269 96	344 56	163 73	2,404 83
Tools and fixtures.....	46 69	59 58	63 56	82 90	80 26	47 37	104 87	139 34	1,505 25	560 69	154 23	145 82	2,990 56
Returned money.....	10 00	71 97	69 96	311 28	128 95	81 55	94 25	102 14	62 95	26 30	21 19	26 70	1,007 24
Plumbing Department.....	2,215 38	1,252 97	1,247 61	1,630 40	2,263 93	2,878 17	3,361 93	3,095 23	1,933 71	2,379 31	3,139 70	2,163 71	27,562 05
Repairs.....	2,955 70	1,721 79	1,307 24	1,169 45	2,034 69	1,647 43	1,996 63	1,799 40	1,564 39	2,307 35	1,516 99	1,742 58	21,765 64
Lake Montebello.....	198 25	170 74	111 64	127 65	187 74	166 16	318 99	331 23	174 04	319 32	356 48	181 84	2,644 08
Current expenses.....	990 36	477 06	317 65	326 31	689 81	381 23	398 15	613 27	1,199 59	1,274 35	1,209 73	1,204 20	9,081 71
Western Pumping Station.....	180 86	135 80	143 60	159 51	129 33	299 07	131 58	83 86	171 04	176 58	218 42	203 63	2,033 28
Lake Roland.....	406 09	247 16	159 10	152 87	165 37	226 09	274 23	272 83	287 46	492 13	274 20	222 52	3,180 05
Engineer's Department.....	999 98	999 98	999 98	999 98	999 98	999 98	999 98	591 65	591 65	591 65	283 32	283 32	9,341 45
Registrar's Department.....	2,267 76	2,164 12	2,144 96	2,099 96	2,099 96	2,166 62	2,199 96	2,199 96	2,503 29	2,327 74	2,383 39	2,584 96	27,142 58
Hampden Reservoir.....	132 21	28 70	29 26	23 12	164 09	185 93	121 08	106 88	94 77	110 99	212 82	76 65	1,286 50
Loch Raven.....	170 09	225 09	208 59	230 68	531 24	390 25	4,050 49	7,131 53	6,086 53	12,136 71	15,877 48	8,938 84	55,977 52
Lake Clifton.....	285 39	1,505 79	158 42	132 17	541 94	410 22	386 51	230 96	209 51	192 84	144 71	123 88	4,322 34
Druid Lake.....	178 04	98 02	82 51	88 50	178 08	281 35	330 84	489 83	558 79	257 67	418 27	192 20	3,154 10
Mt. Royal Reservoir.....	217 68	98 49	52 01	61 25	46 83	80 88	51 66	74 17	71 67	45 00	51 00	108 05	958 69
High-service Reservoir.....	13 32	10 00	10 00	10 00	10 00	10 00	53 38	46 20	10 00	30 00	10 00	10 00	222 90
Water courses.....	94 58	94 58	83 33	98 46									370 95
Jones Falls' conduit.....	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	10 00	120 00
Eastern Pumping Station.....	1,091 03	1,207 27	723 09	674 04	707 15	725 68	1,971 98	1,072 79	1,978 08	1,032 09	1,411 93	3,958 20	16,533 33
Guilford Reservoir.....	56 99	56 98	53 86	57 19	79 25	60 98	87 84	57 73	56 67	79 31	59 91	59 05	765 76
Stationery and printing.....	623 80	132 81	169 09	82 09	28 34	57 92	91 92	122 26	160 80	7 80	58 35	766 96	2,302 14
Commissioners of Finance.....					116,759 31	232,080 69							348,840 00
Extension water supply.....											684 66	12,094 91	12,779 57
	\$17,772 50	\$18,182 66	\$16,180 64	\$23,330 90	\$139,424 77	\$260,372 10	\$31,456 02	\$30,618 35	\$33,685 02	\$44,780 50	\$33,682 45	\$39,655 26	\$689,141 07
Twelve months' interest on \$6,500,000 Water Stock.....													310,000 00
Total disbursements for the year.....													\$999,141 07

STATEMENT G.

NEW SUPPLIES FOR THE YEAR 1896.

312	houses	.....at	\$ 3 00....	\$ 936 00	
332	"	.....at	5 00....	1,660 00	
797	"	.....at	6 00....	4,782 00	
436	"	.....at	7 00....	3,052 00	
14	"	.....at	7 50....	105 00	
72	"	.....at	8 00....	576 00	
37	"	.....at	9 00....	333 00	
90	"	.....at	10 00....	900 00	
6	"	.....at	11 00....	66 00	
48	"	.....at	12 00....	576 00	
44	"	.....at	13 00....	572 00	
					\$13,558 00
2,188					
5	warehouses	.....at	\$ 6 00....	\$ 30 00	
2	"	.....at	8 00....	16 00	
18	"	.....at	10 00....	180 00	
					226 00
2,213					
					\$13,784 00
12	baths	.....at	\$ 2 00....	\$ 24 00	
2	water closets	.....at	2 00....	4 00	
199	hose	.....at	3 00....	597 00	
28	horses	.....at	1 50....	42 00	
20	carriages	.....at	1 50....	30 00	
9	offices	.....at	4 00....	36 00	
4	churches	.....at	5 00....	20 00	
1	motor	.....at	25 00	25 00	
4	bars	.....at	5 00....	20 00	
1	drug store	.....at	3 00....	3 00	
1	gas engine	.....at	10 00....	10 00	
2	special rents	.....at	8 00....	16 00	
3	troughs	.....at	5 00....	15 00	
1	trough	.....at	20 00....	20 00	
1	hot-house	.....at	2 50....	2 50	
3	laundries	.....at	5 00....	15 00	
1	hall	.....at	10 00....	10 00	
2	tanks	.....at	10 00....	20 00	
1	bakery	.....at	3 00	3 00	
<i>Per H. P.</i>					
1	75-horse-power boiler	.....at	\$ 3 00....	225 00	
2	8 " " "	.....at	3 00....	48 00	
					\$1,185 50
Producing a yearly revenue of					\$14,969 50

STATEMENT H.

ABATEMENTS CONDENSED FOR THE YEAR 1896.

	1893.	1894.	1895.	1896.
Vacancies.....	\$267 34	\$576 75	\$4,191 57	\$2,648 42
Duplicates and torn down...	471 00	709 50	1,345 33	1,906 70
Hose		3 75	81 25	535 25
Horses	3 00	7 75	61 00	140 50
Carriages.....	1 50	1 50	8 00	39 00
Bars.....			76 45	262 19
Reductions.....	15 00	27 00	115 00	284 75
Specials.....		22 00	233 25	411 00
	\$757 84	\$1,348 25	\$6,111 85	\$6,227 81

Total amount of abatements for the year, \$14,445.75.

STATEMENT I.

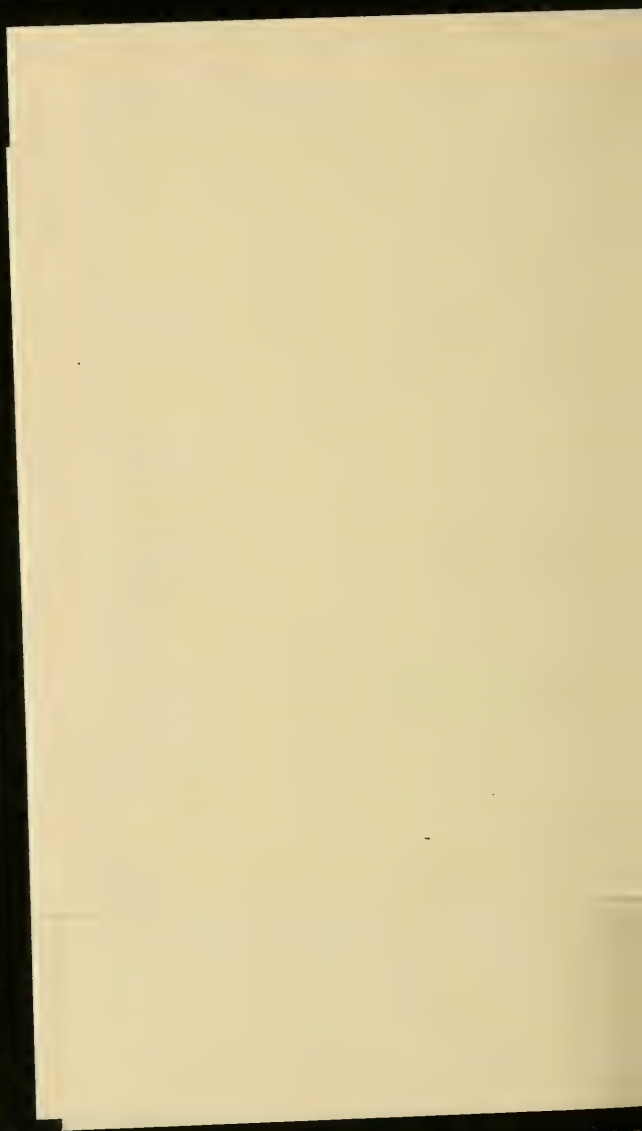
COMPARATIVE STATEMENTS OF RECEIPTS FOR THE YEARS 1894, 1895 AND 1896.

1894.		1895.		1896.	
1894 water rents.....	\$421,419 85	1895 water rents.....	\$430,365 68	1896 water rents.....	\$438,777 98
1893 " ".....	131,124 84	1894 " ".....	136,343 35	1895 " ".....	143,865 35
1892 " ".....	6,086 44	1893 " ".....	5,291 64	1894 " ".....	6,338 62
1891 " ".....	2,349 16	1892 " ".....	1,346 17	1893 " ".....	2,405 33
Meter rents.....	172,822 86	Meter rents.....	168,974 46	Meter rents.....	178,179 41
	\$733,803 15		\$742,321 30		\$769,566 69
Less discount on 1894 water rents.....	34,437 11	Less discount on 1895 water rents.....	35,084 16	Less discount on 1896 water rents.....	36,458 51
	\$699,366 04		\$707,237 14		\$733,108 18
Interest on back water rents.....	2,858 60	Interest on back water rents.....	2,730 74	Interest on back water rents.....	3,134 51
Plumbing bills.....	45,553 06	Plumbing bills.....	44,335 27	Plumbing bills.....	40,155 28
Distributing mains.....	1,300 44	Distributing mains.....	535 20	Distributing mains.....	1,262 40
Lake Montebello.....	147 90	Lake Montebello.....	74 00	Lake Montebello.....	329 97
Loch Raven.....	462 83	Loch Raven.....	335 50	Loch Raven.....	231 03
Lake Roland.....	764 90	Lake Roland.....	1,360 99	Lake Roland.....	905 27
Eastern Pumping Station.....	175 20	Eastern Pumping Station.....	151 81	Eastern Pumping Station.....	91 38
Pumps and fountains.....	6 00	Lake Clifton.....	42 91	Lake Clifton.....	30 00
Jones Falls' conduit.....	25 00	Druid Lake.....	16 00	Druid Lake.....	20 50
Fire-plugs.....	1 00	Western Pumping Station.....	17 80	Pumps and fountains.....	10 00
Lake Clifton.....	113 33	Current expenses.....	13 37	Current expenses.....	112 95
Eastern Pumping Station pump.....	81 61			Engineer's Department.....	3,083 30
Current expenses.....	25 00			Profit and loss.....	3,559 82
Real estate.....	300 00				
					\$786,034 59
Appropriations by Mayor and City Council ..	3,110 00	Appropriations by Mayor and City Council ..	2,600 00	Water tax.....	\$ 3,267 30
	\$754,290 91		\$759,450 73	1945 Three-and-one-half Per	
Water tax.....	57,944 80	Water tax.....	15,205 87	Cent. Stock sold.....	12,600 00
	\$812,235 71		\$774,656 60	Interest on deposits.....	712 95
					16,580 25
					\$802,614 84



STATEMENT J.

	CASH TURNED OVER TO WATER REGISTRAR.								BILLS DELIVERED TO WATER REGISTRAR FOR WORK DONE, ETC.			TOTALS.
	Hay.	Gas.	Fodder.	Sand.	Ice.	Rent.	Coal.	Old Material.	Old Material.	Service Pipes.	Mains Laid in County.	
Loch Raven.....	\$124 78				\$ 31 50	\$74 00		\$ 75				\$ 231 03
Lake Montebello.....	321 72							8 25				329 97
Lake Clifton.....	30 00											30 00
Lake Roland.....	494 93		\$9 00	\$28 60	372 74							905 27
Druid Lake.....	20 50											20 50
Eastern Pumping Station.....								91 38				91 38
Current expenses.....		\$28 12					\$84 83					112 95
Distributing main.....								1,112 40				1,112 40
Plumbing department.....										\$30,260 57		30,260 57
	\$991 93	\$28 12	\$9 00	\$28 60	\$404 24	\$74 00	\$84 83	\$1,212 78		\$30,260 57		\$33,094 07



WATER DEPARTMENT.

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STATEMENT K.

BALANCES REMAINING ON THE LEDGERS, WATER DEPARTMENT, DECEMBER
31, 1896.

1896 water rents.....	\$174,037 19
1895 " ".....	7,050 00
1894 " ".....	2,670 16
Plumbing bills.....	2,934 50
Meter rents.....	1,411 85
	<hr/>
	\$188,103 70

STATEMENT L.

REVENUE FROM 1897 LEDGERS, JANUARY 1, 1897.

24,883 houses	at \$ 3 00....	\$ 74,649 00	
13,186 "	at 5 00....	65,930 00	
17,706 "	at 6 00....	106,236 00	
10,811 "	at 7 00....	75,677 00	
7,356 "	at 8 00....	58,848 00	
4,105 "	at 9 00....	36,945 00	
3,720 "	at 10 00....	37,200 00	
1,525 "	at 11 00....	16,775 00	
4,236 "	at 12 00....	50,832 00	
3,290 "	at 13 00....	42,770 00	
		<hr/>	\$565,862 00
90,818			
273 warehouses	at \$ 6 00....	\$ 1,638 00	
542 "	at 8 00....	4,336 00	
1,146 "	at 10 00....	11,460 00	
		<hr/>	17,434 00
1,961			
8,213 hose	at \$3 00....	\$ 24,639 00	
2,609 horses	at 1 50....	3,913 50	
1,385 carriages	at 1 50....	2,077 50	
184 bars	at 3 00....	552 00	
1,573 bars	at 5 00....	7,865 00	
1,986 horse-power boilers	at 3 00....	5,958 00	
267 offices	at 4 00....	1,068 00	
255 churches	at 5 00....	1,275 00	
		<hr/>	630,644 00
Miscellaneous rents, embracing motors, fountains, troughs, laundries, pickling establishments, oyster establishments, etc			21,249 00
			<hr/>
			\$651,893 00
Meters and indicators (estimated).....			185,000 00
			<hr/>
			\$836,893 00

REPORT OF THE CHIEF ENGINEER.

OFFICE CHIEF ENGINEER WATER DEPARTMENT—CITY HALL,
BALTIMORE, January 1, 1897.

To the Honorable the President and Members of the Water Board :

GENTLEMEN : I herewith beg leave to submit the following report of the Engineer's Department for the year ending December 31, 1896 :

The pipe lines on the new North avenue bridge have been laid under the north sidewalk; the connections with pipe at the east and west ends of bridge have not yet been made, owing to the slack supply of water during the summer on the Jones Falls supply.

The plans of Mr. Samuel M. Gray for the improvements of the city water supply have been received, and 3,088 $\frac{1}{3}$ feet of mains have been laid in accordance with that plan, costing \$3,321.29, which amount has been charged to this extension of water supplies.

The aggregate length of all water mains in the city to date is 540 miles, 17 $\frac{1}{4}$ miles of which were laid during the past year.

There were one hundred and seventy-three fire-plugs erected on new sites during the year; this is a larger number than ever before erected in any one year. The total number of fire-plugs in the city to date is 1,757.

During the year the Chesapeake Electric and Water Company (Baltimore county) has acquired by purchase private pipe laid by different parties in that locality; this included 4,275 feet of 4-inch, 1,925 feet of 3-inch and 200 feet of 2-inch with attached service pipe, which formerly served city water.

Since April 15th no pipe less than 6-inch in diameter has been laid for mains as per your order.

There were eight new fountains erected and one old one removed, making a total number of public drinking fountains 214.

There were 81 meters and 3 indicators placed in operation during the year, and 16 meters and one indicator withdrawn from service, leaving a total of 1,220 meters and 410 indicators in use. The total registered consumption of water by meters and indicators during the year was 3,201,725,200 gallons.

The pumps in Druid Hill Park were operated 326 hours, and pumped to Western High-service Reservoir 45,133,222 gallons of water.

The pumps at Oliver and Wolfe streets worked for 9,501 hours, pumping 2,882,619,204 gallons of water during the year into the Eastern and Western High-service Reservoirs; also to assist in keeping Druid Lake full during the very long drought that has decreased the Jones Falls' supply during its continuance. The average daily consumption from the Jones Falls' supply was 1,164,858 gallons more than the previous year, and the average daily increase for both supplies during the year was 3,946,781 gallons. Active operations on the dredging of Loch Raven was commenced by the contractors, "The Harbor and Inland Improvement Co.," on the 16th day of April, 1896, and completed December 13, 1896, at a cost of \$73,171. There is now a basin clear of sediment 1,500 feet above the Gate House, 15 feet deep; this is a very decided improvement, as it allows the drawing of clear water into the tunnel for consumption, whilst the lower gates draw and pass off any sediment that might be in the deeper water.

There were put up ready for use at the machine shop belonging to the department, corner Wolfe and Oliver streets, during the year :

2-inch stops.....	50
3-inch stops.....	249
4-inch stops.....	350
6-inch stops.....	327
8-inch stops.....	7
10-inch stops.....	17
4-inch fire-plugs.....	25
5-inch fire-plugs.....	125
Round fountains.....	12

I respectfully refer to the accompanying statements and reports of the Assistant Engineers, giving itemized accounts of work done and the cost thereof during the year.

Respectfully submitted.

WILLIAM L. KENLY, *Chief Engineer.*

REPORT OF ASSISTANT ENGINEER IN CHARGE OF DISTRIBUTING MAINS.

OFFICE OF ASSISTANT ENGINEER IN CHARGE OF DISTRIBUTING
MAINS—OLD CITY HALL, HOLLIDAY STREET,

BALTIMORE, JANUARY 1, 1897.

Major William L. Kenly, Chief Engineer:

SIR: I herewith respectfully submit my report for the year ending December 31, 1896. There were laid in the following localities additional mains, of which the following deserve mention:

TWO THIRTY-SIX INCH LINES, in length 521 feet, and THREE TWENTY-FOUR INCH LINES, in length 819 $\frac{1}{3}$ feet, were extended and continued under the north sidewalk of the new North avenue bridge, cost, \$9,185.22. There yet remains to be made the connection with the force main on the west side of the bridge, and the connection to both middle service and force main on the east side of the bridge.

TWELVE-INCH LINE on Twenty-second street from Barclay street to York road, thence along York road to Twenty-first street, to Cromwell street; length, 1,482 $\frac{3}{4}$ feet; cost, \$2,277.43, or \$1.53 per foot.

TEN-INCH LINES on Bayard street from Sassafras street to Warner street; on Russell street from Bush street to Wooster street; thence along Wooster street to Warner street; length, 3,605 $\frac{11}{12}$ feet; cost, \$3,459.50, or 96 cents per foot. Thomas avenue between North avenue and New Liberty road; length, 1,025 $\frac{1}{3}$ feet; cost, \$1,171.93, or \$1.14 per foot. Johnson street between Randall and Wells; length, 1,097 $\frac{2}{3}$ feet; cost, \$1,099.80, or \$1 per foot. North side Fort avenue between Harper street and Fort McHenry, replacing a six-inch on account of B. & O. R. R. improvements; length, 744 feet; cost, \$483.73, or 65 cents per foot (digging performed by B. & O.) Allen street between Fort avenue and Clement street; length, 542 $\frac{2}{3}$ feet; cost, \$614.56, or \$1.13 per foot. Twenty-third street between Lovegrove and Hargrove alleys; length, 391 $\frac{1}{4}$ feet; cost, \$540.05, or \$1.38 per foot. Baltimore street between Paca and Greene streets; length, 358 $\frac{1}{4}$ feet; cost, \$451.10, or \$1.25 per foot.

Under the head of "Extension of Water Supplies," as per report of Samuel M. Gray, consulting engineer: Monument street between Washington and Chester streets, Fayette street between Chester street and Patterson Park avenue, Patterson Park avenue between Fayette and Baltimore streets, Harford road between Darley Park and Gorsuch avenue; length, 3,088 $\frac{1}{3}$ feet; cost, \$3,321.29, or \$1.08 per foot.

EIGHT-INCH LINE on Patterson Park avenue between Lombard and Pratt streets; length, 234 $\frac{1}{3}$ feet; cost, \$239.96, or \$1.02 per foot.

SIX-INCH LINES on Windsor Mill road between Thirteenth street and Montgomery avenue; length, 2,703 feet; cost, \$1,431.99, or 53 cents per foot. Caroline street between Townsend street and Hoffman street; length, 1,618 feet; cost, \$968.25, or 59 cents per foot. Patterson Park avenue between Eastern avenue and Lombard street; length, 1,542 feet; cost, \$1,058.40, or 68 cents per foot. Clifton avenue between Thirteenth street and Carey's lane; length, 1,113 feet; cost, \$555.85, or 50 cents per foot. Eastern avenue between Patuxent and Luzerne streets; length, 984 $\frac{1}{3}$ feet; cost, \$661.03, or 67 cents per foot. Ninth street between Brighton and Presbury streets, and Presbury between Tenth street and Bloomingdale road; length 900 feet; cost, \$544.07, or 60 cents per foot. Twenty-first street between York road and Barclay street, and York road between Twenty-first street and North avenue; length, 898 $\frac{1}{3}$ feet; cost, \$513.08, or 57 cents per foot. Windsor Mill road between Tenth and Twelfth streets, and Twelfth street between Windsor Mill road and Clifton avenue; length, 832 $\frac{2}{3}$ feet; cost, \$470.80, or 56 cents per foot. Merryman's lane between Roland avenue and Chapel road, and Chapel road north of Merryman's lane; length, 766 $\frac{2}{3}$ feet; cost, \$410.59, or 53 cents per foot.

The mains laid during the year for distribution were:

775 feet 8 inches of 3-inch pipe, costing \$ 315 04, or 46 cts. per ft.									
*9,808	"	6	"	"	4	"	"	4,944 07	" 50 " " *
64,911	"	8	"	"	6	"	"	41,820 55	" 64 " "
308	"	4	"	"	8	"	"	302 39	" 98 " "
11,804	"	10	"	"	10	"	"	12,361 48	" \$1 05 "
1,520	"	7	"	"	12	"	"	2,337 41	" 1 54 "
819	"	4	"	"	24	"	"	9,185 22	
521	"	0	"	"	36	"	"		
<hr/>									
90,469	"	11	"	in length, costing....				\$71,266 16	

* April 15 the Water Board ordered a discontinuance of this size.

The aggregate length of all water mains to date is 540¹⁶⁶⁸₅₂₈₀ miles, of which 17⁷¹⁰₅₂₈₀ miles were laid during the year 1896.

There were one hundred and seventy-three fire-plugs erected on new sites at a cost complete, each with stop, of \$11,607.64, or \$67.10 each.

This number includes a list of seventy furnished by the Board of Fire Commissioners.

There were thirteen new fire-plugs erected on old sites to replace defective old style ones.

The total number of fire-plugs to date is 1,757.

During the year the Chesapeake Electric and Water Company of Canton, Baltimore County, has acquired, by purchase, 4,275 feet of 4-inch, 1,925 feet of 3-inch and 200 feet of 2-inch main, with attached service pipes, all owned by private parties, at whose expense said main and services were laid by the city and formerly served with city water.

REPAIR ACCOUNT.

The weather during the winter months was moderate.

Three thousand one hundred and eighty-three feet of main, of sizes from 1½ to 10 inches, were lowered on account of the regrading of streets and roads in various localities.

Eight hundred and eighty-eight feet of 4-inch main and 325 feet of 6-inch main were taken up.

I note the following miscellaneous work also done:

Broken mains repaired from 2 to 6 inches.....	52
Leaks on mains caulked from 1½ to 40 inches.....	1,113
Leaks on service pipes and private pipes.....	403
Ferrules drawn for leaks.....	127
"No-leak" calls.....	240
Blow-off stops, new and renewed stops inserted.....	286
Stops repaired.....	200
Fire-plugs repaired and attended to.....	438
Fountains repaired and attended to.....	149
Found stops that were paved over.....	19
Street rims renewed.....	91
Services repaired—"bills".....	401
Clogged ferrules relieved.....	166

BY ORDER WATER REGISTRAR.

Houses turned off.....	2,873
Houses turned on.....	2,091
Ferrules drawn.....	414
Ferrules returned.....	136
Wrought-iron service pipes cut off.....	75
Wrought-iron service pipes connected up, with new stops.....	29

The total cost of work done during the year as enumerated above, under the head "Repairs Account," including all paving thereunder, amounted to.....		\$48,505 62
Less a credit of bills rendered for work done on mains, services, etc. (actual cost only)...	\$5,010 64	
Less charges for turning on and off 2,091 services, the returning of 136 ferrules and the reconnection of 29 wrought-iron services....	2,421 00	
		7,431 64
Balance net cost of repairs.....		\$41,073 98

Four hundred and fifty-seven thousand six hundred and eighty-three and one-half square feet of paving (and ramming where there is no paving) was done during the year at a total cost of \$15,920.91; of this amount, \$348.25 was paid for sheet asphalt and asphalt block paving bills.

The paving was distributed as follows:

	<i>Square Feet.</i>
Ditches of mains laid.....	211,799
“ “ mains taken up.....	1,162½
“ sunken over mains.....	77,301
“ of new and renewed services.....	55,085½
“ “ repaired services.....	3,845
“ “ fire-plug services.....	9,378
“ “ fountain services.....	718½
Sidewalks over mains.....	145
“ around fire-plugs.....	3,939
“ “ fountains.....	3,278
“ “ pumps.....	182
Holes, mains repairs.....	59,149
“ stops placed.....	4,911½
“ sunk over services.....	918½
“ cut-off services.....	25,871

FIRE-PLUGS ERECTED ON NEW SITES.

Southwest corner of Ninth and Baker streets.
 Northwest corner of McElderry and Bond streets.
 Northwest corner of Colvin and Hillen streets.
 Northwest corner of Fairmount avenue and Bond street.
 Northwest corner of Oliver and Eden streets.
 Northwest corner of Eden and McElderry streets.
 Northeast corner of McElderry and Forrest streets.
 West side of Greenmount avenue, north of Truxton street.
 Southwest corner of Severn and Bayard streets.
 Southwest corner of Bayard and Russell streets.
 Russell street, south of Bayard street.

West side of Chester street, south of Federal street.
South side of North avenue, east of Hope street.
Warner street, south of Bayard street.
East side of Leadenhall street, south of Montgomery street.
Southwest corner of Lexington and Harrison streets.
Northeast corner of Gay and Harrison streets.
Northwest corner of Ensor and Hoffman streets.
West side of Davis street, between Lexington and Saratoga streets.
Northeast corner of Jefferson Place and Twenty-first street.
Glen Edwards avenue, near Falls road.
North side of Baltimore street, east of Calendar alley.
North side of Baltimore street, west of Calendar alley.
West side of Howard street, south of Marion street.
East side of Fulton avenue, south of Pennsylvania avenue.
Northeast corner of St. Paul street and Twenty-first street.
East side of Mary street, south of Kensett street.
Northeast corner of Pulaski street and North avenue.
Southeast corner of Wooster and Russell streets.
Northeast corner of Townsend and Albert streets.
West side of Roland avenue, south of New Boundary.
West side of Mount street, north of Presbury street.
Northwest corner of Railroad avenue and Plymouth avenue.
Northeast corner of Wyanoke avenue and York road.
Southeast corner of Fayette and Arch streets.
Northwest corner of Roland avenue and Mary street.
Northeast corner of Walnut alley and Pear alley.
Northwest corner of Cedar avenue and First avenue.
Northwest corner of Charles and Twenty-seventh streets.
Northeast corner of Park avenue and King street.
South side of Hollins street, east of Parkin street.
Northwest corner of Pulaski and Hollins streets.
Southeast corner of Lexington and Greene streets.
Southeast corner of Dock and Shell streets.
East side of Postoffice avenue, south of Baltimore street.
Northeast corner of Pratt and Emory streets.
Northeast corner of Orchard street and McCulloh alley.
Northeast corner of Penn and Lombard streets.
Northeast corner of Eden and Hoffman streets.
South side of Preston street, west of Caroline street.
East side of Rogers avenue, between Gay and Low streets.
Northwest corner of Gold street and Pennsylvania avenue.
Northwest corner of Leadenhall street and Fort avenue.
Southeast corner of Boyle street and Fort avenue.

South side of Clement street, east of Andre street.
Southeast corner of Beason and Lowman streets.
Northwest corner of Morling avenue and Conduit avenue.
West side of Hickory avenue, south of Third avenue.
Southeast corner of Chesapeake street and Eastern avenue.
Southeast corner of Elizabeth lane and Weyler street.
Northwest corner of Nanticoke and Stockholm streets.
Northwest corner of Fulton avenue and North avenue.
Patapsco street and ten-foot alley north of Baltimore street.

Luzerne street and ten-foot alley north of Baltimore street.
Northwest corner of Toliver street and Merryman's lane.
North side of Lafayette avenue, east of Bloomingdale road.
West side of Cathedral street, south of Mount Royal avenue.

East side of Park avenue, south of Richmond street.
South side of Fayette street, west of Arch street.
Southeast corner of Scott and Lombard streets.
Southwest corner of Twenty-second and Barclay streets.
Southeast corner of York road and Twenty-second street.
East side of Courtland street, north of Lexington street.
Southwest corner of Lexington and High streets.
Southwest corner of Cleveland and Cross streets.
Northeast corner of Hickory avenue and Fifth avenue.
Northwest corner of Twenty-eighth and St. Paul streets.
Northwest corner of Twenty-first street and York road.
Northeast corner of Clifton avenue and Twelfth street.
Southwest corner of Thomas avenue and North avenue.
North side of Northwest street, east of Pulaski street.
Southeast corner of Twenty-eighth and Bernard streets.
Monroe street and ten-foot alley north of Fayette street.
Payson street and ten-foot alley south of Harlem avenue.
Southwest corner of Bradish avenue and Walbrook avenue.
Northeast corner of Smallwood street and Walbrook avenue.
Robinson street and ten-foot alley south of Aliceanna street.

North side of Fayette street, east of Carlton street.
Southeast corner of Clement and Allen streets.
Northwest corner of Johnson and Heath streets.
Northeast corner of Johnson and Wells street.
North side of Barney street, west of Johnson street.
Southwest corner of Holliday and Fayette streets.
Southwest corner of Montgomery street and Ohio avenue.
Northwest corner of Chapel road and Merryman's lane.

- Southwest corner of Johnson and Randall streets.
Northwest corner of Heath and Hanover streets.
Southwest corner of Heath and Charles streets.
North side of Northwest street, west of Thomas avenue.
Fifth street and alley south of North avenue.
Southeast corner of Fulton avenue and Presbury street.
Northeast corner of Madison and Independence streets.
East side of Reese street, south of Mount street.
Northwest corner of Laurens and Division streets.
East side of Eutaw street, between Henrietta and Hamburg streets.
Southeast corner of Mulberry and Monroe streets.
Southeast corner of Carey and Franklin streets.
Patterson Park avenue and ten-foot alley north of Chase street.
Harford road, opposite City Passenger Railway car barn.
East side of Smallwood street, north of Hollins street.
South side of Baltimore street, east of Catherine street.
East side of Elm avenue, south of Third avenue.
East side of Monroe street, south of Lanvale street.
West side of McKim street, south of Chase street.
Newington street and fifteen-foot alley east of Callow avenue.
Northwest corner of Clement and Charles streets.
Southwest corner of Lennox street and Callow avenue.
East side of Hopkins avenue, north of Townsend street.
Southwest corner of Ensor street and North avenue.
Maple avenue, west of Evergreen Terrace.
South side of Newington street, east of Bolton street.
Northwest corner of Linden avenue and Laurens street.
Northwest corner of Twenty-first and Boone streets.
Wilhelm street and nine-foot alley west of Payson street.
Northwest corner of Twenty-first street and Cromwell street.
Northwest corner of Caroline and Hoffman streets.
Northwest corner of Caroline and Townsend streets.
Ruskin street and ten-foot alley west of Evergreen Terrace.
Southeast corner of Exchange Place and Exchange alley.
Clifton avenue and ten-foot alley east of Smallwood street.
Milton avenue and ten-foot alley north of Townsend street.
Montford avenue and ten-foot alley south of Townsend street.
Northeast corner of North avenue and Seventh street.
Payson street and ten-foot alley south of Fayette street.

West side of Elm avenue, south of Merryman's lane.
Canton Market Square and Patapsco street.

Southwest corner of Twenty-first and Charles streets.

Northeast corner of Guilford avenue and Twenty-third street.

Northwest corner of Calhoun and Saratoga streets.

Southwest corner of Twenty-third street and Maryland avenue.

Northwest corner of Twenty-third street and St. Paul street.

Orem's lane and alley west of Evergreen Terrace.

Catherine street and ten-foot alley north of Fairmount avenue.

Atlantic avenue and alley south of Thirty-first street.

Southeast corner of Patapsco and Wells streets.

Park avenue and Liberty street.

South side of Cemetery lane, west of Garrison lane.

Northeast corner of Poppleton and Fayette streets.

Northeast corner of North and Oliver streets.

Clemm street and ten-foot alley west of Burrow street.

Northeast corner of Thomas avenue and Liberty road.

Twenty-seventh street and ten-foot alley east of St. Paul street.

Northwest corner of North avenue and Elm street.

Northeast corner of Montgomery avenue and Windsor Mill road.

Windsor Mill road and Thirteenth street.

South side of Fairmount avenue and alley west of Patapsco street.

South side of Fayette street and ten-foot alley east of Milton avenue.

Northeast corner of Payson and Baltimore streets.

Northwest corner of Monument and Washington streets.

North side of Mt. Royal avenue, west of Maryland avenue.

Southeast corner of Fourth avenue and Elm avenue.

East side of Elm avenue and ten-foot alley south of Potter street.

Southeast corner of Presstman and Eighth streets.

West side of Harford road, south of Jefferson street.

West side of Harford road, north of Exeter Hall avenue.

North side of Lanvale street and alley west of Caroline street.

Southwest corner of Clifton avenue and Fourteenth street.

Carey's lane and Clifton avenue.

Northeast corner of Eleventh street and Walbrook avenue.

Southwest corner of Patterson Park avenue and Fayette street.

Baltimore City Jail Yard.

North side of Henrietta street, west of Leadenhall street.

FIRE-PLUGS ERECTED ON OLD SITES.

Druid Hill avenue and Orchard street.

Park avenue and Dolphin street.

East side of Pennsylvania avenue, north of Robert street.

Pennsylvania avenue and Fremont street.

Lee, near Eutaw street.

Northeast corner of Wolfe street and Eastern avenue.

Poppleton and Booth streets.

Madison and Garden streets.

Southwest corner of Howard street and Garrett alley.

North side of Ridgely street, west of Wooster street.

Fort avenue and Lawrence street.

Southwest corner of Fremont and Mulberry streets.

Lombard street and Centre Market Space.

There were eight new fountains erected, costing \$492.52, or \$61.57 each complete, viz:

East side of Monroe street, south of Wilkens avenue.

Southwest corner of Calverton road and Harlem avenue.

Southwest corner of Wilkens avenue and Brunswick street.

Southeast corner of Huntingdon avenue and Twenty-ninth street.

Southeast corner of Montford avenue and Biddle street.

South side of Baltimore street, west of Rose street.

Northwest corner of Twenty-fifth street and York road.

Southwest corner of Third avenue and Chestnut avenue.

There were five old fountains replaced by new ones, viz:

Shakespeare street, west of Broadway.

Chesapeake and O'Donnell streets.

Pennsylvania avenue and Biddle street.

Patterson Park avenue, south of Baltimore street.

Hamburg and Ridgely streets.

There was one fountain removed entirely, and one moved from Eutaw and German streets to Gorsuch avenue and Harford road.

There are in the city two hundred and fourteen public fountains.

Tabular statements and locations, etc., of distributing mains laid during the year, also inventory, is herewith attached:

INVENTORY, 1896.

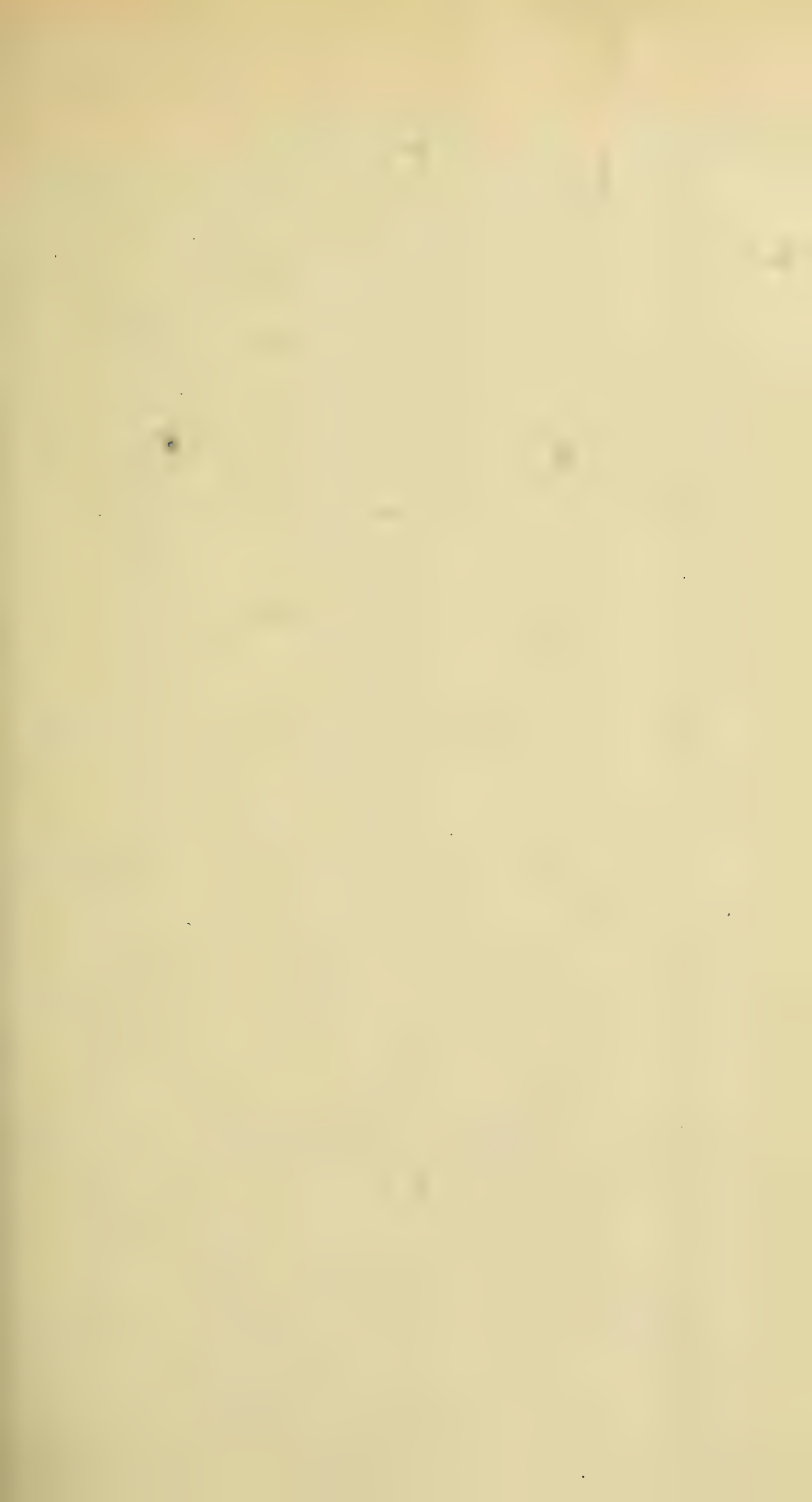
Distributing main.....	\$74,969 64
Force main.....	11,233 68
Tools and fixtures.....	7,340 13
Plumbing Department.....	3,872 64
Fire-plugs.....	9,840 43
Fountains.....	101 85
	<hr/>
	\$107,358 37

TABULAR STATEMENT No. 1.

SIZE AND NUMBER OF FEET OF PIPE, STOP-COCKS AND BRANCHES LAID IN THE CITY.

	1½-INCH.	2-INCH.	3-INCH.	4-INCH.	4½-INCH.	6-INCH.	8-INCH.	10-INCH.	12-INCH.	16-INCH.	18-INCH.	20-INCH.	24-INCH.	30-INCH.	36-INCH.	40-INCH.	TOTAL OF PIPE.
Number of feet of pipe laid previous to purchase by Water Company.....		13,203	95,411	31,876	72,462	60,704	10,040	14,330	12,209	26,168	4,627	8,588		14,203			363,821
Laid by Water Commission from July 1, 1855, to December, 1857.....		1,909	14,720	28,362		5,005	613	448				9,716					60,773
By Water Board, 1858.....		2,948	24,438	23,742		8,692	144										59,964
" " " 1859.....		638	22,972	40,367		14,503		6,300	108								84,888
" " " 1860.....			20,488	35,106		22,134		7,910									101,955
" " " 1861.....		276	8,317	15,432		8,722		5,017				14,889		1,428			47,136
" " " 1862.....		1,140	11,065	6,562		560				490		6,599		51			26,467
" " " 1863.....		2,729	12,223	5,696		3,744		4,560		720	1,170	1,314					32,156
" " " 1864.....	1,784	314	20,890	8,362		6,981		13,476	405	1,962	783	1,395					56,361
" " " 1865.....	7,929	796	16,930	11,729		3,204											40,588
" " " 1866.....	2,903	4,413	15,813	10,864		13,048											47,041
" " " 1867.....	1,145	14,252	17,349	8,808		6,491½		9,372									57,417½
" " " 1868.....	1,642	4,475½	20,466½	14,759½		2,012½											43,356
" " " 1869.....	192	4,765	16,595	9,457½		4,037½											35,047
" " " 1870.....		8,502	11,372	10,886		600											31,360
From January 1 to October 31, 1871.....		6,895	11,863	13,205		8,452											40,415
" " " October 31, 1871, to October 31, 1872.....	78	6,871½	13,660½	12,479		3,425											36,514
" " " October 31, 1872, to October 31, 1873.....		4,551	10,677½	8,032½		5,405		2,150		3,400							34,216
" " " October 31, 1873, to October 31, 1874.....	36	4,402	8,169	10,525		10,959	5,795	8,537½									48,423½
" " " October 31, 1874, to October 31, 1875.....		3,542	7,544½	8,837½		11,750		4,362½				11,160		8,959½			56,156
" " " October 31, 1875, to October 31, 1876.....		1,982½	7,053½	15,383		1,050		3,212½		5,175		202½		7,215½			41,274½
" " " October 31, 1876, to October 31, 1877.....		1,289	17,246½	15,571½		7,462½		75	137½								41,782
By Water Board, 1878.....	175	1,603	7,567	11,579½		3,000		4,800		837½		425		3,312½			33,299½
" " " 1879.....		1,603	4,490	10,876		3,160		2,038½				2,975					25,142½
" " " 1880.....		1,882	5,057½	7,777½		5,459½		1,398						1,050		36,640	59,264½
" " " 1881.....		933	9,034½	12,290½		6,421½	1,717	3,169½									33,506½
" " " 1882.....		1,058	8,423½	14,788		4,522½		4,964½									33,756½
" " " 1883.....		1,269½	12,259	18,270½		13,295½	4,624½	5,026				15,817½		2,960½			73,524½
" " " 1884.....		947	15,990½	25,302		11,100	530½	6,665½									60,535
" " " 1885.....	27	651½	16,464½	25,884½		9,520½	2,197½	4,655½									59,401½
" " " 1886.....	140	351	20,815½	27,582½	210	6,624	187½	4,196½									60,108
" " " 1887.....	189	1,083½	16,998½	29,426½		11,093½	4,703	19,751½	6,114			13,074½					102,433½
" " " 1888.....	19	1,401	21,098	24,303½		11,153½	2,212	22,089	14,695			18,194½					115,165½
" " " 1889.....	115	454	11,155½	30,360½		8,898½		8,726½	7,292½	12		10,342		6,564	17,554		101,474
" " " 1890.....	35	1,025½	11,850½	35,286½		12,911½	481½	11,051½	6,621½					81	1,623	2,474	83,441½
" " " 1891.....	152	1,341½	7,442½	48,593½		22,999½	197½	10,932½	14,224½	11		961		1,387	8,855		117,098½
" " " 1892.....	146	1,090½	6,604½	48,333½		39,911	461½	15,823½	8,807½			171½		163½			121,512½
" " " 1893.....	137	1,508½	5,388½	44,406½		16,200	7½	5,599	2,868½			17				1,009½	77,142½
" " " 1894.....	210½	2,854½	7,340½	48,095½		27,303½	1,418½	1,657	253½								89,132½
" " " 1895.....		1,952	12,228½	53,330½		52,458	1,765½	4,153½	2,469					930½			129,287
" " " 1896.....			775½	9,808½		64,911½	308½	11,804½	1,520½				819½		521		90,469½
	17,054½	112,902½	606,258½	872,340½	72,672	539,887½	37,403½	238,252½	77,726½	38,775½	6,580	117,021½	819½	55,667½	29,483½	40,123½	2,852,908½





[illegible]

By Water Board, 1878.	43	141	1,585	3,704	37	2,394	131	934	264	50	5	366	85	45	52	9,836
" " 1879.	2	2	14	41	36	8	6	5	11	9	3	4	3	4	44	84
" " 1880.	3	3	9	35	41	17	17	11	11	5	5	5	5	5	44	68
" " 1881.	1	1	20	54	54	11	11	7	7	7	7	7	7	7	44	121
" " 1882.	3	3	24	74	74	45	45	21	21	2	2	2	2	2	167	100
" " 1883.	3	3	30	104	104	86	86	15	15	2	2	10	54	10	317	167
" " 1884.	3	3	40	123	123	53	53	14	14	2	2	1	54	10	317	234
" " 1885.	3	3	44	98	98	58	58	7	7	2	2	1	54	10	317	228
" " 1886.	1	1	52	133	133	54	54	3	3	2	2	1	54	10	317	292
" " 1887.	5	5	64	177	177	76	76	7	7	20	20	57	57	1	486	486
" " 1888.	2	2	124	253	253	167	167	14	14	58	58	75	75	2	775	775
" " 1889.	1	1	54	177	177	46	46	3	3	11	11	53	53	5	386	386
" " 1890.	2	2	75	156	156	76	76	6	6	31	31	1	53	2	437	437
" " 1891.	2	2	51	237	237	170	170	4	4	64	64	2	53	2	628	628
" " 1892.	3	3	41	238	238	147	147	5	5	29	29	2	53	2	589	589
" " 1893.	2	2	38	226	226	90	90	1	1	15	15	4	53	2	414	414
" " 1894.	2	2	58	221	221	147	147	13	13	3	3	1	53	2	470	470
" " 1895.	3	3	60	258	258	276	276	11	11	2	2	1	53	2	655	655
" " 1896.	1	1	26	114	114	380	380	12	12	19	19	1	53	2	637	637
	43	141	1,585	3,704	37	2,394	131	934	264	50	5	366	85	45	52	9,836

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID FROM JANUARY 1, 1896,
TO DECEMBER 31, 1896.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Philadelphia road ..	Hare and East avenue...	3	468 $\frac{2}{3}$	\$159 66
Alley east of Patter- son Park avenue.	Orleans and Jefferson....	3	238 $\frac{1}{2}$	105 54
Lake avenue.....	West of Harford road....	4	.....	434 04
Harford road.....	Lake and Atlantic aves...	4	.....
Atlantic avenue....	West of Harford road....	4	907 $\frac{1}{2}$	
Sargeant.....	Carey and Bayard.....	4	.....	120 01
Ten-foot alley west of Carey.	Sargeant and James.....	4	199	
Hunter alley.....	Twenty-fourth and Twenty-fifth streets.	4	115 $\frac{2}{3}$	74 48
Race	Cross and Hanover.....	4	154	127 26
Ten-foot alley west of Broadway.	McElderry and Monu- ment.	4	.....	.....
McElderry	Bethel and Broadway....	4	271 $\frac{1}{2}$	167 06
Mary.....	Whitelock lane and Re- treat.	4	74	49 98
Ten-foot alley east of Fulton.	Clifton and North aves...	4	74	38 93
Ten-foot alley north of McHenry.	Harmison and Pulaski...	4	106 $\frac{2}{3}$	43 19
East side Barclay...	Merryman's lane and Wil- son.	6	222	146 07
Whitelock lane....	Francis and Mary	6	287 $\frac{2}{3}$	155 92
Ten-foot alley rear north side North avenue.	West of Kennedy avenue.	4	40	30 48
West side Boston...	Chester and Aliceanna...	4	.....	159 10
Chester	Boston and Fountain....	4	296	
Division	Whitelock lane and Re- treat.	4	24 $\frac{2}{3}$	
Harlem avenue.....	Arlington avenue and Schroeder.	4	.....	177 99
Hollins alley.....	Harlem avenue and Lan- vale.	4	357 $\frac{2}{3}$	
Hudson alley.....	Twenty-fifth and Twenty- sixth streets.	4	53 $\frac{1}{2}$	39 90
Filmore	Taylor and Adams	4	326 $\frac{2}{3}$	139 99
Harford road.....	Lake and Montebello ave- nues.	4	113	69 16
Ten-foot alley north of Fort avenue.	Decatur and Lowman....	4	481	174 35
Ten-foot alley west of Decatur.	Fort ave. and Clement...	4	172 $\frac{2}{3}$	61 76
Ten-foot alley west of Monroe.	Montrose and Baltimore.	4	152	72 84

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Seventeen-foot alley south of North avenue.	Bloomington road and Ninth street.	4	257½	\$118 37
Ten-foot alley east of Castle.	Jefferson and Orleans...	4	222	103 72
Fifteen-foot alley rear north side North avenue.	East of Kennedy avenue.	4	135½	52 72
Poplar.....	Eleventh and Twelfth streets.	4	.....	214 44
Eleventh street....	Poplar and Presstman...	4	493	
North side North avenue.	East of Kennedy avenue.	6	.....	107 51
Kennedy avenue...	North of North avenue...	6	160	
Taylor.....	Madison and Filmore....	6	264	149 13
Fifteen-foot alley east of Bolton.	Newington and Reservoir.	6	382	194 34
Fifteen-foot alley west of Exeter.	Stiles and Pratt.....	4	259	135 08
Monroe.....	North of Fayette.....	4	31½	33 05
Ten-foot alley west of Ann.	Townsend and North ave.	4	.....	219 58
Twenty-foot alley north of Townsend.	Ann and Register.....	4	560	
Eighteen-foot alley west of Harford avenue.	Townsend and North ave.	4	272	136 28
Rear north side Twentieth.	East of York road.....	4	98½	70 86
Twenty-foot alley west of Fulton.	Eagle and McDonough...	4	247½	115 43
Ten-foot alley north of Preston.	Washington and Chester.	4	313	117 18
Lombard.....	Chapel and Wolfe.....	6	.....	295 16
Wolfe.....	Lombard and Baltimore.	6	279	
Ninth.....	Brighton and Presbury..	6	.....	544 07
Presbury.....	Tenth and Bloomington road.	6	900	
Twenty-fifth.....	St. Paul and Lovegrove alley.	6	148	121 60
York road.....	Twentieth and Twenty-first streets.	6	24½	35 84
Carey.....	Franklin and Mulberry..	6	189	115 81
Bloomington road.	Presbury and Northwest streets.	10	222	203 32
Morton alley.....	Twenty-fourth and Twenty-fifth streets.	4	367½	190 46

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Ten-foot alley south of Edmondson ave	Gilmor and Vincent.....	4	74	\$ 50 60
Ten-foot alley rear south side Twenty-third.	East of York road.....	4	246 $\frac{2}{3}$	108 35
Catherine	South of Twenty-ninth st.	4	92 $\frac{1}{3}$	51 05
Ten-foot alley north of Dellwood ave.	Falls road and Conduit avenue.	4	308 $\frac{1}{3}$	139 03
Ten-foot alley east of Smallwood.	Walbrook and Clifton aves	4	178 $\frac{2}{3}$	78 38
Warner.....	Bayard and Bush.....	6	234 $\frac{1}{3}$	118 98
Pennsylvania ave..	Elgin ave. and Orem lane.	6	337	229 96
Ten-foot alley west of Aisquith.	North avenue and Twentieth street.	6	.....	342 23
Aisquith.....	North avenue and Twentieth street.	6	497 $\frac{2}{12}$	
Rogers ave.....	Gay and Low	6	131 $\frac{1}{3}$	65 25
Eden	Preston and Hoffman....	6	128 $\frac{1}{3}$	77 37
Twenty-ninth.....	Catherine and Huntingdon avenue.	6	215 $\frac{2}{3}$	120 79
Baldwin	Park and Druid avenues.	6	172 $\frac{2}{3}$	109 89
Fifth avenue.....	Hickory and Dellwood avenues.	6	367 $\frac{2}{3}$	177 08
Collington avenue..	Biddle and Chase.....	6	74	40 59
Ten-foot alley north of Mosher.	Mount and Fulton ave...	6	135 $\frac{2}{3}$	77 72
Nicholson.....	South of Park street.....	6	137 $\frac{2}{3}$	91 48
Park avenue.....	South of Baldwin.....	6	89 $\frac{10}{12}$	50 39
Cowpen alley.....	Paca and Diamond alley.	6	118	101 88
Cleveland.....	South of Cross.....	6	83	54 80
Cathedral	North of Mt. Royal ave..	8	74	62 43
Bayard.....	Sassafras and Warner....	10	.....	3,459 50
Wooster	Warner and Russell.....	10	.....
Russell	Wooster and Bush.....	10	3,605 $\frac{10}{12}$	
Fayette.....	Arch and Pine	6	103 $\frac{2}{3}$	78 03
Walbrook avenue..	Smallwood and Pulaski..	6	.....	391 95
Pulaski.....	Herbert and Walbrook avenue.	6	624 $\frac{2}{3}$	
Twelfth street.....	Clifton and Windsor ave.	6	148	108 55
Twenty-eighth st...	Charles and Calvert.....	6	345 $\frac{1}{3}$	256 26
Ten-foot alley south of North avenue.	Thomas avenue and Third street.	6	283 $\frac{2}{3}$	164 03
Bradish avenue	Walbrook and North aves	6	67 $\frac{2}{3}$	34 83
Ten-foot alley east of Wirt.	Preston and Hoffman....	6	103 $\frac{2}{3}$	66 64
Carrollton avenue..	Saratoga and Harmony la.	6	.....	124 56
Harmony lane	Carrollton and Arlington avenues.	6	197 $\frac{1}{3}$	

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Wilkens avenue....	Mount and Vincent alley.	6	106 $\frac{2}{3}$	\$ 94 02
West side Gilmor....	Pratt and McHenry.....	6	161	134 63
Rear north side North avenue.	West of Kennedy avenue.	6	80	51 72
Ten-foot alley south of Twenty-third.	York road and Old York road.	6	107 $\frac{2}{3}$	84 22
McHenry.....	Mount and Vincent alley.	6	194	144 74
Ten-foot alley east of Pulaski.	North avenue and North- west street.	6	197 $\frac{1}{3}$	124 99
Lennox.....	Park avenue and Bolton.	6	.....	186 94
Ten-foot alley west of Park avenue.	Lennox and Reservoir...	6	274 $\frac{1}{3}$	
Vincent alley.....	McHenry and Pratt.....	6	79	84 75
Ten-foot alley rear west side Park- wood ave.	North of Fulton avenue..	6	148	76 51
Ten-foot alley west of Patapsco.	Baltimore and Fairmount avenue.	6	91 $\frac{1}{3}$	70 60
Ten-foot alley west of Payson.	Harlem and Edmondson avenues.	6	246 $\frac{2}{3}$	138 62
Ten-foot alley south of Aliceanna.	Robinson and East avenue	6	.....	146 09
Robinson.....	Aliceanna and Lancaster.	6	200	
East side Park ave..	Madison and Richmond..	6	626 $\frac{2}{3}$	407 52
East side York road.	North avenue and Twenty-first street.	6	.....	513 08
Twenty-first street..	York road and Barclay...	6	898 $\frac{1}{3}$	
Gilmor.....	Wilkens avenue and Ram- say.	6	80	66 55
Gilmor.....	Wilkens av. and McHenry	6	185	156 73
Ramsay	Gilmor and Parrish alley.	6	98 $\frac{2}{3}$	96 46
North side Fayette..	Carlton and Schroeder...	6	304 $\frac{1}{3}$	180 89
Ten-foot alley west of Schroeder.	Raborg and Fayette.....	6	100 $\frac{2}{3}$	84 06
Twenty-eighth street	Huntingdon avenue and Bernard.	6	.....	229 47
Bernard	Twenty-seventh and Twenty-ninth streets.	6	344	
Scott.....	Pratt and Lombard.....	10	282 $\frac{1}{3}$	360 44
York road	Twenty-first and Twenty- second streets.	12	.....	1,371 06
Twenty-second st...	York road and Barclay..	12	866 $\frac{11}{12}$	
Lexington	Jones Falls and Front st.	6	192	147 87
Ten-foot alley south of Montrose.	Monroe and Payson	6	320 $\frac{2}{3}$	198 17
Lafayette avenue...	Florence street and Bloomingdale road.	6	86 $\frac{1}{3}$	54 27
Dallas	Preston and Hoffman....	6	114	91 85

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Ten-foot alley north of Harlem avenue.	Payson and Brice alley ..	6	80	\$ 81 73
Ten-foot alley south of Thirty-fifth st.	Chestnut and Elm aves..	6	82	66 11
Ten-foot alley south of James.	Wooster and Bayard.....	6	98 $\frac{2}{3}$	84 11
Holliday.....	Fayette and Baltimore...	6	61 $\frac{2}{3}$	75 17
East side Harford road.	North avenue and Townsend.	6		390 61
South side North ave	Harford road and Aiken.	6	563 $\frac{1}{3}$	
Windsor ave.....	Tenth and Eleventh sts..	6	316	185 36
Baker	Eighth and Ninth streets.	6	400 $\frac{2}{3}$	214 65
Fifteen-foot alley north of Fort ave.	Porter and Burrows	6	465 $\frac{1}{3}$	231 83
Oxford avenue	East of Frisby.....	6	37	24 27
Ten-foot alley east of Robinson.	Fait avenue and Hudson.	6	15 $\frac{1}{3}$	19 75
Hudson Place.....	Ware and Twenty-fourth streets.	6	141 $\frac{2}{3}$	112 69
Heath.....	Johnson and William....	6	106 $\frac{2}{3}$	78 00
Barney.....	Johnson and William....	6	86 $\frac{1}{3}$	49 55
Laurens	Division and Pennsylvania avenue.	6	345 $\frac{1}{3}$	214 48
Ten-foot alley south of Walbrook ave.	Smallwood and Pulaski..	6	372	186 98
Presbury.....	Fulton ave and Bruce....	6		211 13
Ten-foot alley east of Fulton.	Presbury and Northwest streets.	6		
Ten-foot alley north of Presbury.	Fulton ave. and Bruce...	6	333	
Edmondson avenue.	Carrollton avenue and Carlton street.	6		105 37
Carlton.....	Edmondson and Harlem avenues.	6	135 $\frac{2}{3}$	
Merryman's lane....	Roland ave. and Chapel road.	6		410 59
Chapel road.....	North of Merryman's lane.	6	766 $\frac{2}{3}$	
Madison.....	Independence and Quaker lane.	6		163 21
Independence.....	Madison and Filmore....	6	246 $\frac{2}{3}$	
Ten-foot alley north of Laurens.	Division and Bouldin alley.	6	74	41 77
Chester.....	Pratt and Gough	6	86 $\frac{1}{3}$	64 34
Patapsco.....	Baltimore and Hampstead	6	111	75 03
Hanover	Randall and Heath.....	6		394 28
Heath.....	Hanover and Charles....	6	680	
Lombard.....	Mount and Fulton ave....	6		257 98
Bruce	Lombard and Hollins ...	6	353	

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Lanvale	Castle and Chester.....	6	370	\$ 245 20
Chester.....	Lanvale and Townsend..	6	197 $\frac{1}{8}$	110 96
Ten-foot alley west of Light.	Fort avenue and Randall.	6	364 $\frac{3}{12}$	296 55
Fifth street.....	South of North avenue..	6	224	113 18
Ten-foot alley south of North avenue.	Bradish avenue and Fifth street.	6	305	207 87
Twenty-foot alley west of Thomas avenue.	North avenue and North-west street.	6	542 $\frac{3}{8}$	614 56
South side North avenue.	Belton and Callow avenue.	10	1,097 $\frac{3}{8}$	1,099 80
Allen	Fort avenue and Clement.	4	106 $\frac{3}{8}$	45 29
Johnson.....	Randall and Wells.....	4	41	45 70
Boyd.....	Pulaski and Calverton road.	4	41	45 70
Ten-foot alley west of Henry.	Fort avenue and Wehage.	4	41	45 70
Henrietta.....	Ohio avenue and Eutaw	6	573 $\frac{1}{8}$	446 67
Eutaw	Henrietta and Montgomery.	6	716 $\frac{3}{8}$	446 67
West side Ohio avenue.	Henrietta and Montgomery.	6	716 $\frac{3}{8}$	446 67
Brady avenue.....	Reese and Valley streets.....	6	720	430 31
Reese.....	Friendship lane and Brady avenue.	6	382 $\frac{1}{8}$	251 29
Presstman.....	Eighth and Ninth streets.....	6	641 $\frac{1}{8}$	411 14
Eighth street.....	Presstman and Baker....	6	394 $\frac{3}{8}$	259 30
Pulaski.....	Boyd and Hollins.....	6	135 $\frac{3}{8}$	93 29
Ten-foot alley north of Boyd.	Payson and Pulaski	6	28 $\frac{3}{8}$	35 44
Chester.....	Lanvale and North ave ..	6	641 $\frac{1}{8}$	411 14
Castle.....	Federal and Lanvale	6	394 $\frac{3}{8}$	259 30
Townsend.....	Castle and Chester.....	6	135 $\frac{3}{8}$	93 29
Ten-foot alley south of North avenue.	Regester and Ann.....	6	28 $\frac{3}{8}$	35 44
Clement.....	Allen and Stevenson.....	6	74	44 60
Ramsay.....	Payson and Pulaski.....	6	152	135 98
Ten-foot alley east of Hopkins avenue.	Lanvale and Townsend..	6	230	137 93
Calhoun court.....	Norris alley and Calhoun.	6	74	64 36
Carey	Saratoga and Franklin...	6	530 $\frac{1}{8}$	311 98
Patapsco	Barney and Wells.....	6	246 $\frac{3}{8}$	179 56
Barney.....	Patapsco and Charies....	6	246 $\frac{3}{8}$	179 56

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Ten-foot alley north of Twenty - fifth street.	Calvert and Hargrove alley.	.....	.....	\$179 81
Calvert	Twenty-fifth and Twenty-sixth streets.	.....	.....
Twenty - foot alley north of Twenty-fifth street.	Calvert and Hargrove alley.	6	235½	
Barclay.....	Thirty-first street and Gilmor lane.	6	165½	107 67
Ten-foot alley west of Chestnut avenue.	Thirty-fifth street and Blucher avenue.	6	289¾	157 17
Twenty - two and a half street.	Barclay and Guilford ave.	6	109¾	104 36
Ten-foot alley rear north side Twenty-third street.	East of York road.....	6	191	139 63
Mulberry	Monroe and Fulton ave..	6	370	151 86
Cheapside.....	Lombard and Water.....	6	74	46 00
Mullikin.....	Eden and Central avenue.	.....	.....	303 72
Central avenue.	Mullikin and Orleans....	.....	.....
Orleans.	Central avenue and Eden.	6	434½	
Northwest street....	Thomas ave. and Third st.	6	149¾	98 51
Ten-foot alley north of Townsend.	Aiken and Hope.....	6	329¾	203 45
Ten-foot alley west of Evergreen Terrace.	Maple and Ruskin.....	.....	.....	279 36
Ten-foot alley north of Maple avenue.	Evergreen and Parkwood avenue.	6	477½	
Pulaski.....	Frederick avenue and Hollins.	6	286½	223 41
Ten-foot alley east of Fulton avenue.	Clifton and North aves...	6	141¾	84 37
Ten-foot alley south of Northwest st.	Thomas ave. and Second st	6	105¾	69 49
Ten-foot alley north of Fayette.	Monroe and Goldsmith alley.	6	244½	144 56
Harford road.....	North of Exeter Hall ave.	6	203	131 57
Collington avenue..	Biddle and Chase.....	.....	.....	311 26
Ten-foot alley south of Biddle.	Collington and Patterson Park avenues.	6	546¾	
.....	North ave bridge	36	521	
		24	819½	9,185 22
		6	160½	
Thomas avenue.....	North avenue and Liberty road.	10	1,025½	1,171 93

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Hollins	Calverton road and Pulaski.	.....	.....	\$467 68
Smallwood.....	Hollins and Baltimore....	.....	.....
Ten-foot alley south of Hollins.	Smallwood and Pulaski..	6	656 $\frac{3}{8}$	
Fifteen-foot alley south of North avenue.	Slingluff avenue and Seventh street.	6	549 $\frac{3}{8}$	308 12
Patapsco.....	Ostend and West.....	6	111	82 99
Clifton avenue.....	Eighth and Ninth streets.	6	149 $\frac{1}{2}$	114 69
Ten-foot alley north of Columbia ave.	Carey and Bayard.....	.....	.....	134 12
Ten-foot alley west of Carey.	Russell and Columbia ave	6	196	
Pulaski.....	Baltimore and Hollins...	6	104 $\frac{3}{8}$	73 56
Ten-foot alley rear north side Twenty-third.	East of York road.....	6	135 $\frac{3}{8}$	83 77
Ten-foot alley rear west side Park-wood avenue.	North of Fulton avenue..	6	148	86 72
Elm street... ..	North of North avenue...	6	123 $\frac{1}{2}$	73 75
Ten-foot alleys north and south of Twenty-eighth street.	Huntingdon and Hampden avenues.	6	357 $\frac{10}{12}$	200 03
Windsor avenue....	Tenth and Twelfth sts....	.....	.....	470 80
Twelfth street	Windsor and Clifton aves.	6	832 $\frac{3}{8}$	
Ten-foot alley north of Twenty-second.	Barclay and York road ..	.....	.....	358 16
Twenty - two and a-half street.	Barclay and York road ..	6	564 $\frac{1}{8}$	
Ten-foot alley west of Milton avenue.	Orleans and Fayette	6	891 $\frac{0}{2}$	57 02
Ten-foot alley north of Biddle.	Clifton Place and York road.	6	78 $\frac{3}{8}$	62 56
Ten-foot alley west of Hanover.	Ostend and Clement.....	4	165 $\frac{1}{8}$	93 42
Ten-foot alley rear north side North av	East of Whitelock lane...	4	191	106 43
Ten-foot alley south of Lexington.	Mount and Vincent alley	4	79 $\frac{1}{2}$	58 79
Ostend.....	Patapsco and Marshall...	4	222	90 17
Biddle.....	Castle and Chester.....	4	24 $\frac{3}{8}$	22 10
Montgomery.....	Ohio avenue and Eutaw.	4	84 $\frac{1}{2}$	66 24
Boston.....	Binney and Patapsco....	4	126	96 27
Ten-foot alley south of Third avenue.	Chestnut and Elm aves...	4	282 $\frac{1}{8}$	123 30
Ten-foot alley south of Lanvale.	Appleton and Monroe....	4	61 $\frac{1}{8}$	55 42

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Francis	North of Retreat.....	4	86 $\frac{1}{8}$	\$ 36 45
Ten-foot alley north of McElderry.	Chapel and Washington..	3	68 $\frac{3}{8}$	49 84
Baltimore	Greene and Paca	10	358 $\frac{1}{4}$	451 10
Fifteen-foot alley east of Callow ave.	Newington and Reservoir streets.	6	496 $\frac{1}{8}$	312 81
West side Diamond alley.	Baltimore and Fayette...	6	74	56 49
Ten-foot alley south of Lanvale.	Castle and Washington...	6	134 $\frac{2}{12}$	128 98
Ten-foot alley north of North avenue.	Smallwood and Pulaski..	6	371 $\frac{2}{8}$	213 91
Breidebaugh	North of Saratoga.....	6	207 $\frac{1}{2}$	186 55
Ten-foot alley north of Harlem ave.	Payson and Brice alley...	6	234 $\frac{1}{8}$	128 54
Fifteen-foot alley north of Reservoir	Callow ave. and Bolton..	.....	.....	384 24
Fifteen-foot alley west of Callow ave.	Newington and Reservoir.	.....	.....
Fifteen-foot alley west of Callow ave.	Newington and Whitelock	6	715 $\frac{1}{8}$	
Ten-foot alley rear north side Lehman	West of Millington lane..	6	74 $\frac{2}{12}$	91 46
Bruce alley.....	Baker and Presbury.....	.....	.....	407 13
Ten-foot alley north of Baker.	Bruce alley and Fulton	.....	.....
Ten-foot alley west of Bruce alley.	Baker and Presbury. ...	.....	.....
Presbury.....	Bruce alley and Fulton	6	616 $\frac{1}{2}$	310 05
Lennox.....	Bolton and Robert.....	6	333	
Ensor.....	North ave. and Townsend	6	264 $\frac{2}{12}$	
Ten-foot alley north of Townsend.	Durham and Hopkins ave	.....	.....	255 93
Ten-foot alley west of Durham.	Townsend and North ave.	6	510	
Riggs avenue.....	Calhoun and Whatcoat..	6	362	
Jefferson	Independence and Liberty.	6	222	122 52
Booth	Pulaski and Payson.....	6	148	100 98
Ten-foot alley west of Evergreen Terrace.	Ruskin ave. and Orem's lane.	6	252 $\frac{1}{8}$	197 88
Ten-foot alley west of York road.	Twentieth and Twenty-first streets.	.....	.....	139 16
Fifteen-foot alley south of Twenty-first street.	York road and Barclay..	6	183 $\frac{1}{8}$	

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Newington.....	Callow and Bolton aves..	6	96 $\frac{1}{8}$	\$ 79 41
Clement	Charles and Goodman alley.	6	104 $\frac{3}{8}$	94 37
Rear south side Windemere ave.	East of old York road...	6	325 $\frac{3}{8}$	190 67
Linden avenue.....	Laurens and Robert. ...	6	398 $\frac{3}{8}$	284 70
Northwest street....	Eighth and Ninth streets.	6	222	118 27
Riggs avenue.....	Whatcoat and Stricker....	6	255 $\frac{1}{8}$	219 24
Whatcoat.....	Riggs avenue and Win- chester.			
Fifteen-foot alley north of Lafayette avenue.	Arlington and Fremont avenues.	4	128 $\frac{1}{2}$	63 61
Twenty-first street...	York road and Cromwell.	12	616 $\frac{3}{8}$	906 37
East side Seventh st.	North and Walbrook aves.	10	447 $\frac{3}{12}$	655 76
Charles street ave...	North of Forrest avenue.	6	455	252 55
Gilmor lane.....	East of York road.....	6	39	29 20
Ten-foot alley north of Lafayette ave.	Gilmor and Parrish alley.	6	65 $\frac{3}{8}$	58 48
Nine-foot alley west of Payson.	Wilhelm and McHenry..			326 19
Ten-foot alley north of Wilhelm.	Payson and Brice alley..			
Wilhelm.....	Payson and Brice alley..	6	423 $\frac{1}{8}$	94 05
Fairmount avenue..	Bond and Bethel.....	6	119 $\frac{1}{2}$	
Fifteen-foot alley north of Twentieth street.	Boone and York road....	6	248 $\frac{3}{8}$	
West side Caroline..	Hoffman and Townsend.	6	1,618	968 25
Hoffman	Bradford alley and Patter- son Park avenue.	6	45	54 83
Fayette.....	Patapsco and Luzerne....	6	464 $\frac{1}{8}$	326 94
Ten-foot alley east of Smallwood.	Ridgewood and Clifton avenues.	6	86 $\frac{1}{8}$	52 75
North side North avenue.	West of Elm street.....	6	160 $\frac{1}{8}$	139 14
Exchange alley....	Lombard and Pratt.....	6	175 $\frac{3}{8}$	113 34
Ten-foot alley north of Townsend.	Port and Cannon.....	6	230	151 15
Elm avenue.....	Second and Third aves...	6	44 $\frac{1}{8}$	32 15
Twenty-foot alley north of North ave	Seventh street and Sling- luff avenue.	6	234 $\frac{1}{8}$	136 25
Ten-foot alley south of Townsend.	Port and Bradford alley..	6	462 $\frac{1}{8}$	249 32
Ten-foot alley south of Fayette.	Payson and Monroe. ...	6	403 $\frac{3}{12}$	230 83
Calvert	Twenty-fifth and Twenty- sixth streets.	6	153	104 95

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE.	FEET.	COST.
Ten-foot alley north of Ruskin.	Evergreen Terrace and Parkwood avenue.	6	138 $\frac{2}{3}$	\$ 69 90
Exchange Place....	Holliday and South.....	6	89 $\frac{1}{2}$	59 81
Twenty-foot alley east of St. Paul.	Twenty-eighth and Twenty-ninth streets.	6	484	265 32
Grant.....	Balderston and Pratt....	6	287 $\frac{1}{2}$	238 42
Merryman's lane....	Roland and Elm avenues.	6	153	85 75
Elm avenue.....	South of Merryman's lane	6	37	26 65
Baldwin,	Park street and Druid ave.	6	71 $\frac{2}{3}$	43 01
Castle.....	Aliceanna and Fountain..	4	37	59 98
Calhoun.....	Saratoga and Mulberry...	12	391 $\frac{1}{4}$	540 05
Twenty-third street.	Lovegrove and Hargrove alleys.	10	289 $\frac{1}{2}$	180 60
Patapsco.....	Boston and O'Donnell....	6	74	66 84
Gough.....	Madeira alley and Patterson Park avenue.	6	277 $\frac{1}{3}$	189 31
Ten-foot alley west of Burrows.	Clement and Claggett....	6	345 $\frac{1}{3}$	235 77
Ten-foot alley east of Calhoun.	Saratoga and Mulberry...	6	123 $\frac{1}{3}$	82 15
Dellwood avenue...	Sycamore and Conduit avenues.	6	185	132 52
Twelve-foot alley south of Franklin.	Carey and Carrollton avenue.	6	204	148 40
Harris alley.....	O'Donnell and Elliott....	6	185	142 73
Twenty-first street..	Charles and Morton alley.	6	201 $\frac{1}{3}$	193 11
Ten-foot alley west of Patapsco.	Fairmount avenue and Baltimore.	6	46	26 58
Guilford avenue ...	North of Twenty-third st.	6	37	22 81
Booth.....	Pulaski and Payson.....	6	350 $\frac{1}{3}$	203 62
Bloomington road..	North of Liberty road....	6	320 $\frac{1}{3}$	197 95
Ten-foot alley north of Randall.	Johnson and Henry	6	525 $\frac{2}{3}$	450 63
Ten-foot alley east of Johnson.	Fort avenue and Randall.	6	124 $\frac{1}{2}$	117 38
Ridgely.....	Ostend and Wooster.....	6	234 $\frac{1}{3}$	204 48
Oliver.....	North and Falls streets...	6	129 $\frac{1}{3}$	71 56
North.....	Federal and Oliver	6	145 $\frac{1}{2}$	121 42
Twenty-third street.	Hudson alley and Twenty-third street.	6	123 $\frac{1}{3}$	101 06
Pitcher.....	Pennsylvania and Argyle avenues.	6	478 $\frac{2}{3}$	259 15
Ten-foot alley west of York road.	Twenty-third and Twenty-fourth streets.	6		
Clarkson.....	Fort avenue and Randall.	6		
Washington.....	Harford road and Polk street.	6		

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Continued.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Eleventh street.....	Walbrook avenue and Bloomingdale road.	6	209 $\frac{3}{8}$	\$ 169 17
Reservoir.....	Mt. Royal and Park avenues.	6	134 $\frac{1}{8}$	123 33
Morling avenue.....	Hill street and Sycamore avenue.	6	101 $\frac{3}{8}$	62 73
Ten-foot alley south of Oxford avenue.	Barclay and York road..	6	106 $\frac{3}{8}$	68 19
Ten-foot alley rear south side Hafer.	West of Stinson	6	185	112 34
Ramsay.....	Pulaski and Payson	6	376 $\frac{3}{8}$	257 41
Ten-foot alley south of Thirty-first st.	Atlantic and Remington avenues.	6	380	212 11
North side Fort ave.	Harper street and Fort McHenry.	10	744	483 73
Monument.....	Washington and Chester.	10	343	544 38
West side Harford road.	Park and Jefferson streets.	10	1,203	1,282 77
Fayette.....	Chester and Patterson Park avenue.	.....	.....	1,494 14
Patterson Park ave.	Fayette and Baltimore sts.	10	1,542 $\frac{1}{8}$	
Patterson Park ave.	Lombard and Pratt streets	8	234 $\frac{1}{8}$	239 96
Morris alley.....	Whitlock and North ave.	6	197 $\frac{1}{8}$	114 37
Patapsco.....	Wells and Barney streets.	6	217 $\frac{3}{8}$	120 98
Liberty.....	Fayette and Baltimore...	6	118 $\frac{3}{8}$	130 51
Ten-foot alley east of Thomas avenue.	Liberty road and North avenue.	6	197 $\frac{1}{8}$	73 92
Carlisle Place.....	Gay and Broadway.....	6	119	104 15
Twenty-foot alley east of St. Paul.	Twenty-seventh and Twenty-eighth streets.	6	460 $\frac{1}{8}$	238 94
Ten-foot alley west of Milton avenue.	Orleans and Fayette.....	6	89 $\frac{1}{8}$	53 06
Windsor Mill road..	Montgomery avenue and Thirteenth street.	6	2,703	1,431 99
Cemetery lane.....	Garrison lane and B. & P. R. R.	6	767 $\frac{5}{8}$	576 50
Ten-foot alley east of Milton avenue.	Fayette and Hampstead streets.	6	157	105 26
Bond street.....	Miller and Madison.....	6	143 $\frac{3}{8}$	90 48
Poppleton.....	Raborg and Lexington sts.	6	676	564 19
Eastern avenue,...	Patuxent and Luzerne...	6	984 $\frac{1}{8}$	661 03
Patterson Park ave.	Eastern ave. and Lombard	6	1,542	1,058 40
Elm avenue.....	Third and Fourth aves...	6	287 $\frac{3}{8}$	149 49
Barclay.....	Thirty-first st. and Gilmor lane.	6	24 $\frac{3}{8}$	19 30
Ten-foot alley south of Potter.	Elm and Chestnut aves ..	6	390 $\frac{1}{8}$	264 57

LOCATION, SIZE, NUMBER OF FEET AND COST OF DISTRIBUTING MAIN LAID—Concluded.

STREET.	BETWEEN.	SIZE	FEET.	COST.
Madison.....	Old York road and Republic.	.....	.....	\$299 08
Republic.....	Madison and Jefferson.	6	579 $\frac{3}{8}$	
West side Tenth st.	Northwest and North ave.	6	296	
Presstman.....	Eighth and Bloomingdale road.	6	222	
Ten-foot alley south of Fairmount ave.	Glover and Patapsco.....	6	86 $\frac{1}{8}$	57 27
Lanvale.....	Caroline and Spring sts..	6	144 $\frac{3}{8}$	103 17
North side Clifton avenue.	Thirteenth street and Carey's lane.....	6	1,113	555 85
Haines street.....	Warner st. and the wharf.	6	144 $\frac{1}{8}$	115 03
Leadenhall.....	Henrietta and Montgomery.	6	468 $\frac{3}{8}$	254 62
Seven-foot alley south of Montgomery.	Ohio ave. and Eutaw st..	6	49	106 39
		4	61 $\frac{3}{8}$	
			90,469 $\frac{11}{12}$	\$71,266 16

In conclusion, the employes of this department have performed their various duties in a satisfactory manner.

Respectfully submitted.

CHARLES KRAUSE,
Assistant Engineer in charge of Distributing Mains.

ASSISTANT CHIEF ENGINEER'S REPORT.

BALTIMORE, January 1, 1897.

Major W. L. Kenly, Chief Engineer Water Department:

SIR: I herewith respectfully submit my report for the year ending December 31, 1896:

JONES FALLS' SUPPLY.

The rainfall on this supply was $2\frac{1}{2}$ inches less than that of the previous year.

The total flow of water was 4,495,155,000 gallons less than the preceding year. The flow of clear water over the dam at Lake Roland was 2,699,733,000 gallons less, and the muddy water over same was 217,824,000 gallons less than in 1895. The average daily consumption was 1,164,858 gallons more than the previous year. The water in Lake Roland was muddy 20 days during the year. The greatest flow over the dam was on February 6, when it reached a height of 2 feet. The lowest point below the crest of the dam was on October 11, it then being 9.25 feet. No water has passed over the dam since July 10. Only routine work has been done here during the year, such as keeping the lake clear, the grass cut, etc. The keeper's house and outbuildings have been painted at a cost of \$293. 25.

Harper's Waste Weir and the brick conduit connecting Lake Roland with Hampden Reservoir continue in good condition, and have been attended with no expense, except \$10 per month for superintendence. An average of 15,863,068 gallons of water per day passed through this conduit during the year, being 99,480 gallons per day less than last year. This conduit was flushed out once during the year through the gates at Harper's.

HAMPDEN RESERVOIR.

This reservoir continues to do good service; the lowest water was on February 17, it then being 6.33 feet out, this being caused by muddy water in Lake Roland. The gate-house and adjacent grounds are in good condition. The keeper's house and outbuildings have been painted at a cost of \$220.70.

The four thirty-inch mains connecting this reservoir with Druid Lake remain in good condition, and have been attended with no expense. They have been flushed once during the year, through the stops on the west bank of Jones Falls.

DRUID LAKE.

This lake has done good service during the year; the lowest point reached was on February 18, when it was 6½ feet out, this being caused by the muddy condition of Lake Roland. The daily consumption of water averaged 16,945,970 gallons, an increase over the previous year of 1,164,858 gallons. While the flow of water to this lake has been less than the previous year, the consumption has been greater, and to keep the pressure up it has been necessary during the latter part of the year to pump low-service water into it; this was done by connecting the force main at Broadway and North avenue with the 20-inch middle-service main. The lake, adjacent grounds and various buildings have been kept in good order. The wainscoating around the walls of the engine room and lower stop-house has been renewed. The pump-house, vault, lower stop-house, office and stable have been painted at a cost of \$412.05.

WESTERN HIGH-SERVICE RESERVOIR.

There were 45,133,222 gallons of water pumped into this lake during the year from Druid Lake; this is 24,903,742 gallons more than last year. There were also 2,522,619,204 gallons pumped by the eastern pumps from the Gunpowder supply; this is an increase of 228,943,200 gallons over last year. In performing the above work, the pumps at the Western Station were operated 326 hours, those at the Eastern 9,501 hours, the work at the Western Station being done principally to insure their being in good order in case of emergency.

GUNPOWDER SUPPLY.

The rainfall on this supply was $3\frac{1}{4}$ inches less than that of the previous year.

LOCH RAVEN.

The water in this loch was muddy 83 days during the year, this being 3 days more than in 1895. Active operations on the dredging contract began April 16 and were completed December 13. There is now a clear basin, with an average depth of 15 feet for a distance of 1,500 feet above the dam. The total flow of water was 13,163,104,000 gallons less than the previous year. The flow of clear water over the dam was 5,607,715,000 gallons less, and the muddy water over same was 6,099,252,000 gallons less than during 1895. The highest water during the year was on February 6, it then being 3.7 feet above the dam. The lowest point reached was on July 21 and August 1, when it was 2 feet below the same. The various buildings at this place should be painted during the coming year. The Loch Raven gate-house, dam and conduit are in good working order, and have been attended with no expense during the year. An average of 48,674,860 gallons daily passed through this conduit during the year.

LAKE MONTEBELLO.

This lake has been practically full of good clear water during the year. The lowest point reached was on June 19, it then being 11 feet low; this was caused by the water being too turbid to turn in from Loch Raven for a period of 11 days. The gate-house, the drain tunnel around Lake Montebello, and the tunnel connecting Lake Montebello with Lake Clifton, have been in good working condition during the year, and have been attended with no expense.

LAKE CLIFTON.

This lake, like Montebello, has been full of water during the year. The gate-house and iron railing around the lake have been painted at a cost of \$685.15. The vault, gate-house and 40-inch pipe lines leading therefrom are in good working condition. The keeper's cottage has been completed and is occupied; the lot graded, fenced with a wire fence, and a hedge planted around it.

GUILFORD RESERVOIR.

This reservoir has been full of clear water during the year, and continues to supply that section which lies north of North avenue and east of Jones Falls. The vault keeper's cottage and adjacent grounds are in good condition.

MOUNT ROYAL RESERVOIR.

This reservoir continues to draw its supply from the Gunpowder, and has been attended with no unusual expense during the year.

The keeper's house, grounds, vault and pipe lines are all in good condition.

The officers and men of this division have performed their various duties in a satisfactory manner.

Respectfully submitted.

WILLIAM BENTHALL,

Assistant Chief Engineer.

BALTIMORE CITY WATER WORKS.

TABLE OF RAINFALL IN INCHES.

1896.	JONES FALLS' SUPPLY.			GUNPOWDER SUPPLY.				
	Lake Roland.	Hampden Reservoir.	Druid Lake.	Mt. Royal Reservoir.	Loch Raven.	Lake Montebello.	Lake Clifton.	Guilford Reservoir.
January.....	1.97	2.24	2.30	2.24	1.69	2.23	1.86	1.97
February.....	7.02	7.25	7.03	6.84	6.79	6.97	6.54	6.13
March.....	5.38	5.14	4.89	4.68	5.63	3.75	3.42	3.91
April.....	1.10	1.41	1.42	1.47	1.29	1.29	1.63	1.28
May.....	4.35	2.28	2.22	1.53	2.63	1.50	1.63	1.65
June.....	2.80	3.78	4.07	4.11	4.03	4.47	3.59	4.10
July.....	4.25	5.59	5.40	6.06	4.09	4.91	5.30	4.84
August.....	1.73	2.46	2.22	2.62	0.95	2.02	1.60	2.03
September.....	2.95	3.86	3.97	4.47	4.02	3.81	4.38	3.73
October.....	1.05	1.45	1.36	1.04	2.27	1.38	1.27	1.30
November.....	4.42	3.78	3.68	3.39	5.72	3.68	3.67	3.71
December.....	0.58	0.28	0.33	0.23	0.48	0.28	0.29	0.40
Totals.	37.60	39.52	38.89	38.68	39.59	36.29	35.18	35.05

Respectfully submitted.

WILLIAM BENTHALL,

Assistant Chief Engineer.

REPORT OF METER INSPECTOR.

The number and sizes of meters and the number of indicators placed in operation are as follows;

29	meters.....	$\frac{3}{4}$	inch.
22	"	1	"
4	"	$1\frac{1}{2}$	"
15	"	2	"
10	"	3	"
1	"	4	"

81 meters.
3 indicators.

Total.. 84

The number and sizes and number of indicators in use are:

342	meters.....	$\frac{3}{4}$	inch.
243	"	1	"
120	"	$1\frac{1}{2}$	"
198	"	2	"
310	"	3	"
7	"	4	"

1,220 meters.
410 indicators.

Total.. 1,630

There were 16 meters and 1 indicator withdrawn from service. There were 81 meters placed in operation in 1896; also 3 indicators.

The registered consumption of water by meters and indicators was as follows:

	<i>Gallons.</i>
Elevators by indicators.....	703,841,000
Elevators by meters.....	6,765,000
Railroads by meters.....	659,474,200
Miscellaneous by meters.....	870,000,000
Steamboat companies by meters.....	60,975,000
Livery stables by meters.....	28,207,000
Pork packers and butchers by meters.....	116,135,000
Beer breweries by meters.....	441,907,000
Whiskey distilleries by meters.....	48,945,000
Brickyards by meters.....	5,032,000
Coal oil refineries by meters.....	1,807,000
Droveyards by meters	41,520,000
Oyster and fruit packers by meters.....	71,490,000
Hotels by meters.....	86,722,000
Planing mills by meters.....	58,905,000

3,201,725,200

Included in above the registered consumption of water by meters in the county was 101,324,000 gallons.

The decrease in amount used by indicators was caused by elevators discontinuing to be used by direct pressure from mains. They use the tank system.

L. C. CURRAN.

JONES FALLS' SUPPLY FOR THE YEAR ENDING DECEMBER 31, 1896.

NUMBER OF GALLONS.

	Rain Fall in Inches.	Clear Water Over Lake Roland Dam.	Muddy Water Over Lake Roland Dam.	Water from Bottom Gates, Lake Roland Gate-house.	Clear Water Sent Through Conduit Gates, Lake Roland.	Total Flow Jones Falls Per Month.	Average Flow of Stream Per Day.	Sent to City During the Month.	Average Sent to City Per Day.	Pumped from Druid Lake to High Service Reservoir.
January.....	2 1/4	257,589,000	.....	110,450,000	482,198,000	850,237,000	27,427,000	439,375,000	14,173,000	.....
February.....	1 1/2	170,463,000	957,893,000	340,615,000	465,459,000	1,934,430,000	66,704,000	478,132,000	16,487,000	2,767,724
March.....	5 1/4	434,315,000	528,783,000	322,736,000	514,860,000	1,800,694,000	58,087,000	565,177,000	18,232,000	.....
April.....	1 1/4	248,680,000	.....	244,302,000	609,488,000	1,102,470,000	36,749,000	559,506,000	18,650,000	2,100,750
May.....	3	132,318,000	.....	125,345,000	545,284,000	802,947,000	25,902,000	560,843,000	18,092,000	5,280,700
June.....	3 1/4	88,857,000	.....	7,458,000	550,117,000	646,432,000	21,548,000	573,152,000	19,105,000	10,304,400
July.....	5	57,268,000	.....	24,687,000	623,327,000	705,282,000	22,751,000	651,025,000	21,001,000	13,749,000
August.....	2 1/4	.....	.....	.....	556,578,000	390,953,000	12,611,000	594,679,000	19,183,000	10,930,648
September.....	3 1/4	.....	.....	.....	365,418,000	268,362,000	8,945,000	465,955,000	15,532,000	.....
October.....	1 1/4	.....	.....	.....	334,976,000	334,976,000	10,806,000	472,438,000	15,240,000	.....
November.....	4	.....	.....	.....	355,450,000	505,450,000	16,848,000	405,881,000	13,529,000	.....
December.....	1	.....	.....	.....	386,865,000	452,031,000	14,582,000	419,116,000	13,520,000	.....
Totals.....	38 1/4	1,389,490,000	1,486,676,000	1,175,593,000	5,790,020,000	9,794,264,000	26,833,600	6,185,279,000	16,945,970	45,133,222

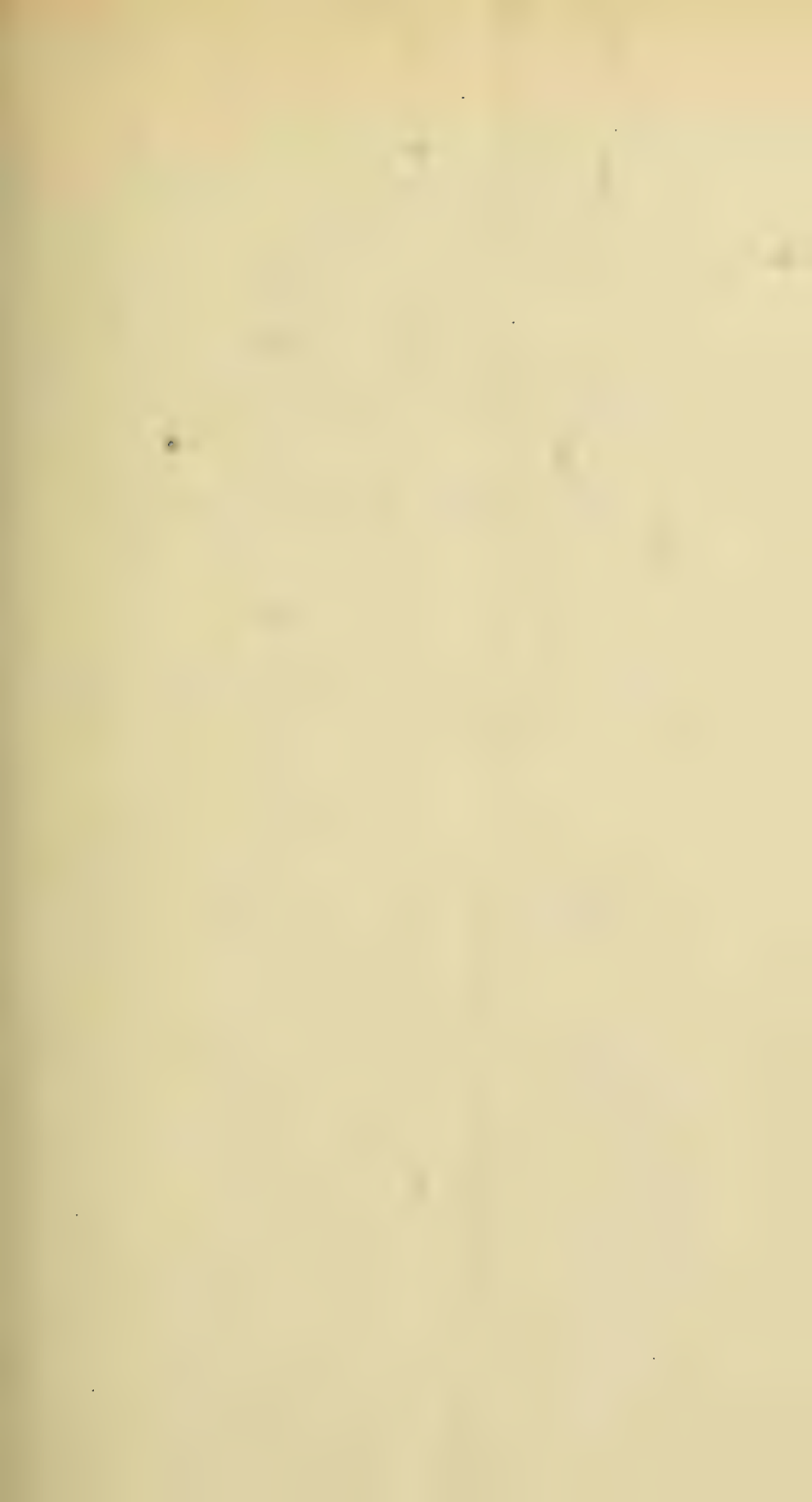
GUNPOWDER WATER SUPPLY FOR THE YEAR ENDING DECEMBER 31, 1896.

NUMBER OF GALLONS.

	Rain Fall in Inches.	Clear Water Over Loch Raven Dam.	Muddy Water Over Loch Raven Dam.	Waste Water from Bottom Gates, Loch Raven Gate-house.	Clear Water Sent to Lake Montebello from Loch Raven.	Total Flow of the Gunpowder Per Month.	Average Flow of Stream Per Day.	Sent to City During the Month.	Average Sent to City Per Day.	Sent to City from Both Supplies Per Day.	Pumped from Eastern High Service Pumping Station.
January.....	2	1,210,139,000	1,767,324,000	789,331,000	1,710,016,000	5,476,810,000	176,671,000	1,220,627,000	39,375,000	53,548,000	159,782,952
February.....	6 1/4	3,016,102,000	5,589,578,000	817,522,000	1,184,117,000	10,607,319,000	365,770,000	947,305,000	32,666,000	49,153,000	146,630,136
March.....	4 1/4	3,701,895,000	6,458,122,000	873,902,000	1,465,725,000	12,499,644,000	403,214,000	1,313,062,000	42,357,000	60,589,000	169,955,496
April.....	1 1/2	5,947,855,000	.....	845,712,000	1,801,615,000	8,595,182,000	286,506,000	1,372,434,000	45,748,000	64,398,000	184,175,788
May.....	1 1/4	1,564,066,000	2,582,571,000	873,902,000	1,302,880,000	6,323,419,000	203,981,000	1,371,854,000	44,253,000	62,345,000	219,012,320
June.....	4	1,046,872,000	3,067,637,000	751,744,000	1,333,408,000	6,199,661,000	206,655,000	1,363,839,000	45,461,000	64,566,000	214,011,288
July.....	5	1,066,006,000	5,366,331,000	620,189,000	1,388,541,000	8,441,067,000	272,292,000	1,554,105,000	50,132,000	71,133,000	238,573,488
August.....	1 1/4	499,419,000	.....	403,968,000	1,735,261,000	2,638,648,000	85,118,000	1,447,564,000	46,696,000	65,879,000	303,208,328
September.....	4	846,944,000	1,089,527,000	262,171,000	1,187,978,000	3,386,620,000	112,887,000	1,341,379,000	44,713,000	60,245,000	336,379,632
October.....	1 1/4	1,074,364,000	373,365,000	277,957,000	1,684,584,000	3,410,270,000	110,009,000	1,412,937,000	45,579,000	56,464,000	371,416,400
November.....	4	1,333,641,000	1,677,034,000	287,542,000	1,302,879,000	4,621,096,000	154,037,000	1,335,607,000	44,520,000	56,589,000	280,522,392
December.....	4	1,891,497,000	.....	287,542,000	1,669,320,000	3,848,359,000	124,141,000	1,407,742,000	45,411,000	58,931,000	258,950,984
Totals.....	36 1/4	23,218,800,000	27,971,489,000	7,091,482,000	17,766,324,000	76,048,095,000	208,350,945	16,088,455,000	44,077,959	61,023,929	2,882,619,204

Respectfully submitted.

WILLIAM BENTHALL, *Assistant Chief Engineer Baltimore Water Department.*



ANNUAL REPORT

— OF THE —

SEWERAGE COMMISSION

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.

REPORT.

OFFICE OF THE SEWERAGE COMMISSION,

BALTIMORE, January 12th, 1897.

To the Honorable Mayor and City Council of Baltimore :

The Sewerage Commission has the honor to present a report of its work for the year ending 31st December, 1896:

The surveys on Patapsco Neck, in progress at date of last report, were completed and mapped, and form a necessary basis for consideration of the scheme for disposal into Chesapeake Bay.

Examination of the land on the north side of the Patapsco, having demonstrated that soil adapted to filtration of sewage was only to be found there in small patches, and in quantity not adequate to the requirements of the method, the Commission transferred its investigation to the south side of the river, where, in Anne Arundel county, unlimited areas of suitable land were found to be available. This examination, involving extensive surveys, as well as a physical testing of the soil under consideration, has been followed by the making of topographical maps of the district, and the provisional location of the several intercepting and outfall sewers and pumping stations necessary to reach an outfall in this direction, and has kept the force of the Commission fully occupied.

Statistics bearing upon our work have been collected and tabulated, and details of plans have been considered and compared.

The Commission having been called on by his Honor the Mayor, a few months ago, for an opinion in regard to the necessity for a proposed storm-water drain, was enabled to report, after an examination of the locality, that all reasonable relief at present required might be met by constructing a short drain at but a fraction of the outlay proposed, whilst further extension of the work might be deferred for many years, thus exemplifying the importance of careful investigation before undertaking the construction of such works.

The storm-water drains have been duly located and mapped, and their several capacities investigated. A detailed description of them has been prepared, and will accompany our final report.

It was stated in last year's report that the Commission had retained the services of Messrs. Samuel M. Gray and Rudolph Hering as its consulting engineers.

Constant communication with these gentlemen has kept them duly advised, and, from time to time, supplied with the result of our work.

To each of the engineers was assigned the duty of recommending to your Commission such scheme for the collecting and disposal of the sewage and storm-water as in his judgment would prove the best for the present needs and future requirements of the city. Within the last month they have presented their report.

The Commission is gratified to find that the opinions of the engineers are so entirely in accord that they have been enabled to make a joint report and unite in the recommendation to your Commission of a comprehensive scheme for the complete sewerage of the city.

As far as time has permitted since its reception, the report has been carefully studied. Its nature and extent, however, and the magnitude of the interests involved, are such that we feel that a hurried disposal of it ought not to be attempted. Your Commission is proceeding with it carefully and deliberately, and as soon as possible will present it, together with a full report of the investigations of the Commission, and its final recommendations.

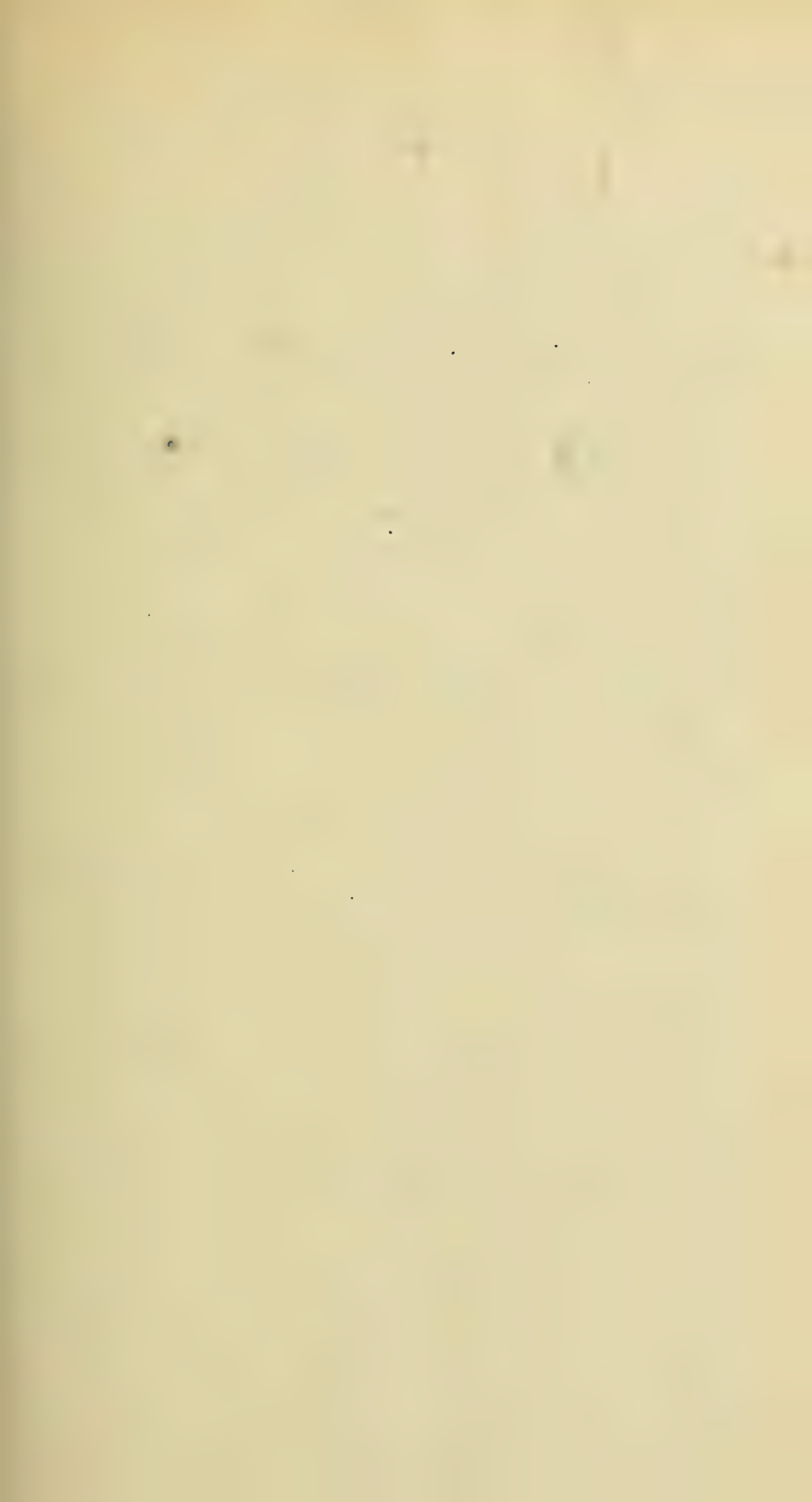
DISBURSEMENTS.

The appropriations made for the use of this Commission amount to.....	\$25,000 00	
Expended up to December 31st, 1895.....	7,870 06	
Unexpended balance at date of last report.....	\$17,129 94	
Disbursed this year as per vouchers on file in the office of the Comptroller.....	11,621 38	
Balance unexpended on 31st December, 1896.....	\$5,508 56	
Against this amount there is due to		
Mr. Samuel M. Gray..	\$2,790 45	
And to Mr. Rudolph Hering.....	2,486 00	
	<hr/> \$5,276 45	
Leaving at the disposal of the Commission a balance of	232 11	
	<hr/>	
	\$5,508 56	\$5,508 56

To meet the obligations already incurred will require a renewal of the unexpended balance heretofore appropriated—\$5,508.56—together with a further sum of say \$15,000 to continue the work of the Commission, to investigate the merits of the different plans and to complete the compilation and publication of the entire report, with the maps and plans which accompany it.

All of which is respectfully submitted.

MENDES COHEN,	} <i>Sewerage Commission</i>	
F. H. HAMBLETON,		<i>of the</i>
E. L. BARTLETT,		<i>City of Baltimore.</i>



ANNUAL REPORT

— OF THE —

HARBOR BOARD

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.

HARBOR BOARD OF BALTIMORE.

JANUARY, 1897.

ALCAEUS HOOPER, MAYOR,

President ex-officio.

TIMOTHY A. HOOPER,

Secretary.

GEORGE R. HEFFNER.

CHARLES W. BOOZ.

MARTIN WAGNER.

WILLIAM T. MALSTER.

[Vacant].

N. H. HUTTON, *Engineer.*

J. H. IRVIN, JR., *Clerk.*

REPORT.

OFFICE OF THE HARBOR BOARD OF BALTIMORE,

BALTIMORE, January, 1897.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: The undersigned committee, by authority of the Harbor Board, have the honor to submit the following report of operations during the year ended December 31, 1896:

Appropriations for the several works under charge of the Board were as follows :

Salaries of Chief Engineer and Clerk.....	\$ 5,000 00
Dredging harbor, docks and channels, including Middle Branch, and the operation and maintenance of Tug <i>Baltimore</i>	30,000 00
Dredging in Jones' Falls.....	10,000 00
Operation and maintenance of ice-boats	20,000 00
Rebuilding bulkhead in City Dock.	6,000 00
Repair of public wharves, and supervision of all wharves.....	1,500 00
Removal of ashes from tow-boats	1,200 00
Removal of filth from docks, transferred from Health Department to Harbor Board.....	2,369 25
Making total available money.....	<u>\$76,069 25</u>

MAINTENANCE OF HARBOR, DOCKS AND CHANNELS, INCLUDING MIDDLE BRANCH.

BACK BASIN AND DOCKS.

Proposals for this work were opened on May 7th, and the contract awarded to Messrs. Sanford & Brooks (the lowest bidders), at fourteen and nine-tenths ($14\frac{9}{10}$) cents per cubic yard.

They commenced work on May 21st, and completed their contract on August 6th ; during this time they dredged and removed 81,534 cubic yards, and were paid \$12,148.56.

The work done under this contract comprised the removal of sewer and sedimentary deposits, generally to hard bottom (except in Middle Branch and Back Basin) from head of basin as far down as South street, including all docks along Light street; from fourteen (14) other docks in main harbor, and from four (4) in Middle Branch, including Bush-street Dock from which over 20,000 cubic yards were removed. The excavations at these places varied to from 19 feet to 12 feet, depending on the original or natural depths. The Back Basin was dredged where necessary to maintain 15 feet depth at low water.

HARBOR AND CHANNELS, INCLUDING MIDDLE BRANCH.

Proposals for work required were opened on June 4th, and contract awarded to the lowest bidder (Baltimore Dredging Company), at twelve (12) cents per cubic yard.

Dredging in main harbor was confined to removal of deposits in harbor alone, and as far down as the mouth of Jones' Falls; in Canton Hollow, between Washington and Chester streets, and at outside of the drawbridge on Block street (mouth of Jones' Falls). From this section was removed 34,886 cubic yards.

MIDDLE BRANCH.

Deposits to 17 feet depth were removed from part of main channel, between Moale's Point and Bayard street; in Bayard street channel to bulkhead line, including angle or "turns," and to 16 feet depth in channel to Bush-street Dock.

Excavations in this section were 46,290 cubic yards.

JONES' FALLS.

A contract for this work was awarded on June 9th to the Baltimore Dredging Company (the only bidder), at 35 cents per cubic yard. Work was commenced on June 17th, and completed, as far as money at command would permit, on August 22d. One (1) cut, 24 feet wide, was made to 12 feet depth from Canton avenue to Pratt street; two (2) cuts, 48 feet wide, from Pratt to Lombard street, to 8 feet and 10 feet depth; one (1) cut, from Lombard to Baltimore street, to 10 feet depth.

There was removed under this contract 22,911 cubic yards.

Attention is again called to the Engineer's suggestion as to the more economical method of removing deposits from this stream, as well as to that of 1894, having in view the arching over of this stream, its conversion into a drain, and the formation of a broad avenue for freight traffic from tide water to Biddle street.

TOTAL DREDGING.

The whole area covered by dredging in the harbor, docks and channels, including Middle Branch, was 1,952,620 square feet; the quantity removed was 162,710 cubic yards, and average depth of dredging two feet three inches (2'3").

The area covered by dredging in Jones' Falls was 68,016 square feet; the quantity of material removed was 22,911 cubic yards, and the average depth of dredging nine (9) feet, owing to the quantity of sediment flowing into the stream during progress of dredging.

REPAIRS TO WHARVES.

The main repairs to public wharves were in Long Dock, and at foot of Will street. At Long Dock 65 feet linear of stone wall was rebuilt on new pile and timber foundations. At foot of Will street the old bulkhead, about 150 feet by 27 feet, was solidly rebuilt, after much delay and trouble from old work under water. Slight repairs were made to platforms, etc., at Bowly's, South street and Pratt street wharves.

The whole amount expended for all these works was \$3,734.51, of which there was paid out of other appropriations \$2,234.51.

REMOVAL OF ASHES FROM TOW-BOATS.

During the year there has been received at scow procured for this purpose 43,673 bushels of ashes from 66 tow-boats, 2 freight steamers and 2 steam yachts.

Expenditures on this account were \$899.04.

REMOVAL OF FLOATING MATTER FROM DOCKS, Etc.

During June the duty of removing from all docks and basins the refuse matter (brought down by sewers, and cast overboard) was, by order of the Mayor, transferred to the Harbor Board.

A party of twelve men, under a supervisor, was organized, and commenced work on June 15th. They continued until September 15th, when the force was reduced to one-half, and ultimately disbanded October 15th.

The work was thoroughly done and highly commended by persons doing business about the harbor and docks.

There was expended by the Board for this service \$1,952.94.

ICE-BOATS.

Both boats were engaged in ice-breaking from January 7th to 15th, and retained a few men to provide against contingencies until February 1st.

New tubes for donkey boiler of *Annapolis*, and new smoke-stack, were put in.

The *Latrobe* was engaged in service of the Free Summer Excursion Society from June 4th to August 27th. Twelve excursions were made and about fifteen thousand persons conveyed to and from Chesterwood.

The *Latrobe*, which has been for years almost a wreck as to upper works, was sent to yard of Wm. Skinner & Sons (the lowest bidders) for certain specified repairs. Work was commenced early in September and completed about December 1st. The absolutely necessary repairs to put the boat in sound condition were found to be, as work progressed, much more extensive than was expected. The work has been done in the best manner, and the boat is now as good as new. These are the first considerable repairs made to this boat since it went into commission January 1st, 1879—eighteen years ago.

For details and cost of work done, reference is respectfully requested to the annexed tables, and to the Engineer's report.

REQUIREMENTS FOR 1897.

We recommend for work of 1897 as below:

For dredging harbor, docks, channels, including Middle Branch, also the operation and maintenance of Tugboat	\$50,000 00
" dredging Bush-street Dock and channel.....	10,000 00
" operation and maintenance of Ice-boats.....	20,000 00
" continuing new bulkhead, City Dock.....	10,000 00
" repair of public wharves, supervision, etc.....	5,000 00
" maintenance of scow for removing ashes, etc.....	1,500 00
" removing floating matter from docks..	2,500 00
Or in all.....	<hr/> \$99,000 00

Respectfully submitted.

GEO. R. HEFFNER,	} <i>Executive</i>
T. A. HOOPER,	
WM. T. MALSTER,		} Committee.

Approved by the Board:

T. A. HOOPER,

Secretary.

TABLES.

HARBOR BOARD OF BALTIMORE,

MARCH, 1876, TO MARCH, 1896.

MEMBERS.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.
His Honor the Mayor, President ex-officio.																					
William Seemuller, Secretary 1877-1878.	x		o																		
J. C. Nicodemus.	x		o																		
T. B. Ferguson, Secretary 1876-1877.	x			o																	
W. R. Tumblinson.	x				o																
John W. McCoy.	x													o							
William H. Skinner.	x															o					
Alex. Jones.			x											o							
James S. Woodside, Secretary 1878-1896.			x																		o
R. T. Baldwin.				x							o										
James Bond.					x				o												
Thornton Rollins.									x				o								
Edward Roelkey.										x						o					
George W. Moore.												x			o						
Edward J. Codd.													x							o	
Fielder C. Slingluff.													x							o	
Martin Wagner.														x							
Francis P. Murphy.															xo						
Henry Williams.															x						
J. Vernon Campbell.															x					o	
Charles W. Booz.																				x	
William T. Malster.																				x	
George R. Hefner.																				x	
Timothy A. Hooper, Secretary 1896-																					x
N. H. Hutton, Engineer.	x																				
H. P. Ficken, Clerk.	x		o																		
J. H. Irvin, Jr., Clerk.				x																	

x Appointed.

o Retired.

DREDGING.

Location of Dredging.	Approximate Area Dredged.	Depth of Water Obtained.	Total Excavation.
Year 1896.	Square feet.	Feet.	Cubic Yards.
Jones' Falls.....	68,016	10 to 11	22,911
Back Basin.....	164,370	15	17,690
Docks } Harbor.....	306,000	15 to 18	11,284
} Middle Branch..	107,000	12 to 16	25,854
Head of Basin.....	862,850	17 to 19	26,706
Harbor and Channels....	207,480	21 to 22	34,886
Middle Branch Channels.	305,230	16 to 17	46,290

SUMMARY OF ALL DREDGING (EXCEPT JONES' FALLS).

Year.	Approximate Area Dredged.	Average Depth of Cutting.		Total Excavation.
	Square Feet.	Feet.	Inches.	Cubic Yards.
1896.....	1,952,930	2	3	162,710
1876 to 1895.....	44,140,876	4	9	7,818,091
1876 to 1896 inclusive....	46,093,806	4	8	7,980,801

HARBOR.

Year Ended December 31, 1896.	Dr.	Cr.
Appropriation:		
Ordinance 94, May 15, 1896.....		\$30,000 00
Transferred as per Res. 127, Oct. 29, 1896.....		300 00
Expenditures:		
Sanford & Brooks, 81,534 cubic yards, at 14 ⁹ / ₁₀ c.....	\$12,148 56	
Baltimore Dredging Company, 81,176 cubic yards, at 12c.....	9,741 12	
Advertising.....	48 96	
Incidental expenses.....	208 42	
Supervision of dredging.....	1,566 92	
Surveys.....	701 45	
Tug <i>Baltimore</i>	5,884 57	
*Crew.....	\$4,359 44	
Fuel.....	493 70	
Repairs.....	840 75	
Subsistence.....	7 11	
Supplies.....	183 57	
	\$30,300 00	\$30,300 00

*See Jones' Falls.

DREDGING JONES' FALLS.

Year Ended December 31, 1896.	Dr.	Cr.
Appropriation:		
Ordinance 94, May 15, 1896.....		\$10,000 00
Expenditures:		
Baltimore Dredging Company, 22,911 cubic yards, at 35c.....	\$ 8,018 85	
Advertising.....	13 13	
Tug <i>Baltimore</i> (crew).....	435 72	
Supervision of dredging.....	370 80	
Repairs at Long Dock (Res. 95, of July 8, 1896).....	1,161 50	
	\$10,000 00	\$10,000 00

SALARIES OF CHIEF ENGINEER AND CLERK.

Year Ended December 31, 1896.	Dr.	Cr.
Appropriation:		
Ordinance 94, May 15, 1896.....		\$5,000 00
Expenditures:		
Salaries.....	\$5,000 00	
	\$5,000 00	\$5,000 00

ICE-BOATS.

Year Ended December 31, 1896.	Dr.	Cr.
Appropriation:		
Ordinance 94, May 15, 1896.....		\$20,000 00
Expenditures:		
<i>Annapolis.</i> <i>F. C. Latrobe.</i>		
Advertising.....\$ 3 20 \$ 27 26		
Crew.....6,211 33 6,552 31		
Fuel.....497 72 562 80		
Repairs.....925 76 4,194 27		
Steamboat supplies.....216 71 249 56		
Subsistence.....175 50 131 95		
Wharfage.....250 00		
	\$8,280 22 \$11,718 15	\$19,998 37
Unexpended balance.....		1 63
	\$20,000 00	\$20,000 00

REPAIRS TO WHARVES.

Year Ended December 31, 1896.	Dr.	Cr.
Appropriation:		
Ordinance 94, May 15, 1896.....		\$1,500 00
Expenditures:		
Repairs to wharves.....	\$1,028 75	
*Foot Will street.....	\$927 85	
South street and Bowly's Wharf.....	27 78	
City and State Wharf (one-half paid by City).....	3 23	
*Bulk. in Long Dock.....	69 89	
General supervision of wharves.....	471 25	
	\$1,500 00	\$1,500 00

*See Jones' Falls, Bulk. City Dock, Rem. of Ashes and Rem. of Floating Matter.

NEW BULKHEAD AT CITY DOCK.

Year Ended December 31, 1896.	Dr.	Cr.
Appropriation:		
Resolution 41, April 21, 1896.....		\$6,000 00
Expenditures:		
Sanford & Brooks' Contract.....	\$4,823 08	
Supervision.....	428 75	
Advertising.....	27 09	
Repairs, foot Will street (Res. 95, July 8, 1896).....	721 08	
	\$6,000 00	\$6,000 00

REMOVAL OF ASHES FROM TOW-BOATS.

Year Ended December 31, 1896.	Dr.	Cr.
Appropriation:		
Ordinance 94, May 15, 1896.....		\$1,200 00
*Expenditures:		
Unloading ash-scow.....	\$ 65 00	
Supplies.....	18 21	
Fuel.....	6 25	
Repairs.....	9 66	
Supervision of scow and dump.....	799 92	
Repairs, foot Will street (Res. 95, July 8, 1896).....	300 96	
	\$1,200 00	\$1,200 00

*NOTE.—43,673 bushels removed from seventy boats.

REMOVAL OF FLOATING MATTER.

Year Ended December 31, 1896.	Dr.	Cr.
Appropriation:		
Removing filth from docks (Ord. 94, May 15, 1896).....		\$2,500 00
Transferred, as per Res. 127, Oct. 29, 1896	\$ 300 00	
Expenditures:		
Expended by the Health Department	130 75	
*Expended by the Harbor Board	1,952 94	
Repairs, foot Will street (Res. 95, July 8, 1896).....	50 97	
Unexpended balance.....	65 34	
	\$2,500 00	\$2,500 00

*NOTE.—772 cart loads removed (including 490 dogs, 770 cats, 3,690 rats, etc.)

Respectfully submitted.

J. H. IRVIN, JR., *Clerk.*

Approved :

N. H. HUTTON, *Engineer.*

ENGINEER'S REPORT.

REPORT.

OFFICE OF THE ENGINEER OF HARBOR BOARD,

BALTIMORE, January, 1897.

To the President and Members of the Harbor Board of Baltimore:

GENTLEMEN: I have the honor to submit the following report of operations during the year ended December 31, 1896.

Appropriations as below were made by the Mayor and City Council for the works under charge of the Board.

For maintenance and improvement of the harbor by dredging and the operation and repair of Tug <i>Baltimore</i>	\$30,000 00
For salaries of Chief Engineer and Clerk.....	5,000 00
“ dredging in Jones Falls.....	10,000 00
“ operation and maintenance of ice-boats.....	20,000 00
“ rebuilding bulkhead in City Dock (or Back Basin).....	6,000 00
“ repair of wharves.....	1,500 00
“ removal of ashes from tow-boats.....	1,200 00
Making a total of.....	\$73,700 00
To which was added by the transfer from Health Department for cleaning refuse from docks.....	2,369 25
Making a total of.....	\$76,069 25

BACK BASIN, DOCKS, ETC.

Proposals for removing sewer and sedimentary deposits from Basin, Back Basin and Docks (including Middle Branch) were opened on May 7th, as below:

Baltimore Dredging Company, 15½ cents per cubic yard; Sanford & Brooks, 14¹¹/₁₀ cents per cubic yard.

Contract. The contract was awarded to Sanford & Brooks, who commenced work on May 21st and completed the contract on August 6th.

Work done. They excavated and removed 81,534 cubic yards, for which they were paid \$12,148.56. The work was distributed as follows:

Location.	Head of Basin from Lee to Pratt, and from	
	Light to South, including docks on Light	
	street.....	26,706 cub. yds.
	Back Basin (City Dock)	17,690 " "
	Smith's Dock	2,133 " "
	Frederick-street Dock.....	2,118 " "
	Montgomery and Hughes streets.....	910 " "
	Foot of Cross street.....	751 " "
	" " Lancaster street.....	481 " "
	" " Chester street.....	426 " "
	" " Washington street.....	248 " "
	" " Broadway.....	209 " "
	Harris' Creek sewer.....	4,008 " "
	Bush-street Dock (Middle Branch).....	20,514 " "
	Howard-street sewer " "	967 " "
	Eutaw " " " "	1,337 " "
	Chatsworth " " " "	3,036 " "
Making a total as stated of.....		81,534 " "

Areas. The areas covered by this work were:
Head of Basin, 862,850 square feet; average depth of dredging, eleven (11) inches.

Back Basin, 164,370 square feet; average depth of dredging, two feet eleven inches (2'11").

Docks (in main Harbor), 306,000 square feet, with an average depth of dredging, one (1) foot.

Docks (Middle Branch), 107,000 square feet; average depth of dredging, six and one-half (6½) feet.

In addition to the docks *dredged*, the "scraper" was used to clean McClure's and Patterson's Docks, and at foot of William street and Johnson street. The material removed from these docks was taken up by dredge in the harbor, and is accounted for in material removed from "Head of Basin."

Depths. At Head of Basin, and docks in Main Harbor, dredging was done to original or hard bottom, varying in depth from 19 feet to 12 feet, the

purpose being to remove only the annual deposits from streets and sewers; in the Back Basin dredging was done to 15 feet or over (all at low water), and included the docks at eastern end.

In the Middle Branch, Bush-street Dock was dredged 16 feet depth for 70 feet in width to comply with agreements heretofore made between riparian owners and the City Commissioner. The other docks were dredged to 12 feet at low water.

HARBOR (INCLUDING MIDDLE BRANCH).

Proposals for dredging under this head were opened on June 4, as below:

Baltimore Dredging Company, 12 cents per cubic yard; Sanford & Brooks, 13 cents per cubic yard.

The contract was awarded to the Baltimore Dredging Company, which commenced work on June 20, having been compelled to expend some time in dredging a channel and ditch behind seawall at old Marine Hospital to enable them to deposit material behind this structure as agreed upon. This contract was completed on September 19, during which time there was excavated and removed 81,176 cubic yards, distributed as follows:

From Main Harbor.....	34,886 cubic yards.
“ Middle Branch.....	46,290 “ “

For which they were paid \$9,741.12.

Work in the Main Harbor was mainly confined to the re-establishment of 22 feet depth between points opposite Long Dock and the mouth of Jones Falls; at mouth of Jones Falls, outside drawbridge, and in Canton Hollow between Washington and Chester streets.

Between Long Dock and Jones Falls, 162,600 square feet; outside drawbridge, 26,880 square feet; between Washington and Chester streets, 18,000 square feet. The average depth of excavation was $4\frac{1}{2}$ feet.

MIDDLE BRANCH.

Work in Middle Branch.

Work was commenced in this section on August 1, and completed on September 21. In the main dredged channel, between Moale's Point and Bayard-street Dock, there was dredged two (2) cuts, 80x1,530 feet, to 17 feet depth.

Bush-street Channel, two (2) cuts, 80x1,035 feet, to 16 feet depth. Outer angle of same, 100x225 feet, to 16 feet depth. Inner angle, 40x100 feet, to 12 feet depth.

Bayard-street Channel, one (1) cut, 40x740 feet, to 17 feet depth. At angle, 176x180 feet, to 17 feet depth.

The whole area covered amounted to 305,230 square feet (of which more than three-fourths was in Bush-street Channel); the average depth of excavation was 3 feet eleven inches (3' 11").

JONES FALLS.

The resurvey of this stream in the spring from Back Basin to Fayette street showed, as is usual, a "filling in" since dredging of 1895 of from 5 to 6 feet below Lombard street, and from 6 to 10 feet above that to Fayette street.

Proposals and contract.

Proposals for dredging were opened on June 4, and the contract awarded on June 9 to the only bidder, the Baltimore Dredging Company, at 35 cents per cubic yard.

Work done.

Work was commenced on June 17 and completed as far as money at command would permit on August 22.

The following excavations were made: From Canton avenue to 100 feet below Pratt-street bridge, one (1) cut, 24x990 feet, to 12 feet depth; from 100 feet below Pratt street to Lombard-street bridge, one (1) cut, 24x537 feet, to 8 feet depth; one (1) cut, 24x520 feet, to 10 feet depth. From Lombard to Baltimore-street bridge, two (2) cuts, 24x787 feet, to 10 feet depth. Under the bridges the following depths were obtained by use of a "scraper:" Canton avenue, 13 $\frac{1}{4}$ feet; Eastern avenue, 10 $\frac{3}{4}$ feet; Pratt street, 10 $\frac{3}{4}$ feet average; Lombard street, 10 $\frac{1}{2}$ feet average.

The area covered under this contract was 68,016 Area. square feet; the amount dredged was 22,911 cubic yards, and average depth of excavation nine (9) feet. This large average depth of excavation is due to sedimentary material running to the cuts from the sides and to material deposited by the stream during the process of excavation.

The whole area covered by the dredging during 1896, (except Jones Falls), was 1,952,930 square feet, and the average depth of excavation was 2 feet 3 inches (2'3").

Expenditures for harbor, docks, channels and Jones Falls were as follows:

Whole area of dredging.

Expenditures.

Paid contractors.....	\$29,908 53
Supervision of dredging.....	1,937 72
Operation and repair Tug <i>Baltimore</i>	6,682 02
Incidental expenses.....	208 42
Surveys.....	701 45
Advertising.....	62 09

Making total cost.....	\$39,500 23
Total money available.....	39,138 50

Leaving a deficit of.....	\$361 73
Due to unexpected, but necessary, repairs late in the year to Tug <i>Baltimore</i> .	

REPAIR OF PUBLIC WHARVES.

There was appropriated for this general purpose \$1,500, to which was added by authority of Mayor and City Council:

From appropriation for Jones Falls.....	\$1,161 50
“ “ “ bulkhead City Dock.....	721 08
“ “ “ cleaning docks.....	50 97
“ “ “ removal of ashes.....	300 96

Making available money.....	\$3,734 51	Available money.
-----------------------------	------------	------------------

Long Dock—

About 65 feet in length of bulkhead on east side of Long Dock was in such dangerous condition as to require immediate action, and was rebuilt with new pile and timber foundations, by agreement with Sanford & Brooks, for the lump sum of.....	\$1,161 50
During September the street in rear of this wall was repaved at a cost of.....	69 89

Work done.

Making total for Long Dock.....	\$1,231 39
---------------------------------	------------

BULKHEAD FOOT OF WILL STREET.

The very old wooden bulkhead wharf at foot of Will street became so dilapidated as to require rebuilding. It was originally constructed in 1847. I imagine few, if any, repairs had been made since that date.

Proposals.

Proposals for its rebuilding were opened on October 5, as follows:

BIDDERS.	Georgia Timber in Place.	Virginia Timber in Place.	Pine Piles, Driven and Cut Off.	Oak Piles, Driven and Cut Off.	Iron, per Pound.	Excavation and Refilling, per Cubic Yard.
Jones, Pollard & Co.	\$29 00	\$21 00	\$5 00	\$6 00	3c.	50c.
Sanford & Brooks...	27 00	24 00	3 79	8 00	3½c.	35c.

All Timber per 1,000 feet B. M. in place.

Contract.

The contract was awarded to Sanford & Brooks, the lowest bidders, who commenced work on October 15, and completed on December 12.

Cost of all re- pairs.	They were paid for this work	\$1,974 60
	Advertising	26 26
	Small repairs to platforms, fast piles, ring-bolts, etc., at South-st., Bowly's and Pratt-st. Wharves, cost	31 01
	Repairs at Long Dock, as before reported, cost.....	1,231 39
	General supervision of wharves, cost.....	471 25
Making total cost.....		\$3,734 51

BULKHEAD IN BACK BASIN (CITY DOCK).

Proposals for rebuilding a portion of this bulk-head on south side, from drawbridge abutments east, were opened on April 22d, as below:

BIDDERS.	Excavation per 100 lin. feet.	Piles driven and cut off.	Timber in place per 1,000 B. M.	Iron in place per pound.	Masonry per cu- bic yard.	Coping set per linear foot.
Sanford & Brooks..	\$1,614	\$4 15	\$25 00	03	\$6 25	\$2 75
American Con. Co..	850	4 40	30 00	02	7 00	2 00

The American Construction Company was, (by Contract. reason of their low price per 100 linear feet for removing old work, including removal and replacing lumber shed; also all excavation and re-paving, required) the lowest bidder. It, however, failed to enter into the necessary bond, etc., and the work was awarded to Sanford & Brooks, at their prices, except for excavation, etc., which was, by agreement, reduced to \$1,164 per 100 feet.

They completed the contract for about 171½ Work done. feet linear of bulkhead, on December 22, having been greatly delayed by high water during the summer.

They were paid.....	\$4,823 08
Supervision of work.....	428 75
Advertising.....	27 09
Applied to repair Will-street Wharf, as per Res. 95, July 8, 1896.....	721 08
Amount of Appropriation.....	\$6,000 00

REMOVAL OF FLOATING MATTER FROM DOCKS.

During June the duty of removing all floating refuse from docks was, by order of the Mayor, transferred from the Department of Health to the Harbor Board.

Appropriation for removal of filth from docks.	The original appropriation was.....	\$2,500 00
	The Department of Health expended before ac- counts were transferred.....	130 75
	Leaving for account Harbor Board.....	\$2,369 25
	There was subsequently by authority of Res. 95 and 127 of 1896, transferred to Harbor and to Will- street Wharf.....	350 97
	Leaving for work done by Harbor Board.....	\$2,018 28
	Of this amount there was expended for labor, carts, etc.....	1,952 94
	Leaving an unexpended balance of.....	65 34
	Making as above.....	\$2,018 28

Work done.

The Board organized a party of twelve men, who assumed charge of the work about June 15th, the force being reduced one-half ($\frac{1}{2}$) on September 15th, and finally disbanded on October 15th.

During this time the docks and Back Basin were kept in the most thoroughly clean condition. There was removed 772 cart loads of refuse, including almost every kind of unsanitary material, from garbage, through cats, dogs, rats, meat, etc., to a male infant, and a 3-foot long snake.

REMOVAL OF ASHES FROM TOW-BOATS.

Ash-scow.

This scow, provided for the purpose of preventing the necessity of tow-boats depositing ashes in the harbor or river, has been maintained in good condition and at its station day and night during the year, except about one (1) day in each month, when it is taken down the river to discharge its load, which is done behind bulkheads of private parties, or when none such are available, behind the sea-wall at old Marine Hospital.

Work done.

During the year there was received and carried away 43,673 bushels of ashes from 66 tow-boats, 2 large freight steamers and 2 steam yachts.

ICE-BOATS.

The city ice-boats were in commission for ice-breaking from January 7th to 15th, a few extra firemen being retained until February 1st to provide against a return of cold weather. Use of ice-boats.

Both vessels are now in excellent condition in every respect, and ready for service at 12 hours' notice.

The *F. C. Latrobe* had not had any considerable amount of repairs made to it since going into commission January 1, 1879 (eighteen years ago). The necessity for very considerable repairs to woodwork, if the boat was to be maintained in condition for service, has been set forth in these reports for several years. Repairs to Ice-boat *Latrobe*.

During the spring proposals were asked for such repairs as could be seen and specified, though it was well understood that these proposals would not cover all necessary work.

A contract was entered with the lowest bidder, Wm. Skinner & Sons, for repairs to machinery, hull and woodwork, as were specified, for the sum of \$6,400. Work was commenced early in September, and practically completed on December 1st. During the progress of repairs and the uncovering of wood and iron work, it was found that to make the boat really serviceable much larger renewals of both iron and wood were required than had been anticipated.

The boat, however, is now practically as good as when built, and in better condition for ice-breaking than ever before.

The appropriation for both boats was \$20,000. The expenditures have been :

	For <i>Annapolis</i> .	For <i>Latrobe</i> .
Advertising	\$ 3 20	\$ 27 26
Salaries of crew.....	6,211 33	6,552 31
Fuel.....	497 72	562 80
Repairs.....	925 76	4,194 27
Steamboat supplies.....	216 71	249 56
Subsistence.....	175 50	131 95
Wharfage.....	250 00	.....
Totals	\$8,280 22	\$11,718 15
Leaving due for account repairs of <i>Latrobe</i> ,.....		\$9,801 06

WORK FOR 1897.

Dredging Jones Falls. I renew my suggestion of last year, that if it is desirable to remove the sewer and sedimentary deposits from Jones Falls above Canton-avenue bridge, that a contract covering several years should be made for the purpose of maintaining a certain depth, say 10 feet at low water, from Fayette street to Canton avenue, April 1st to November 1st without any regard to quantity of material removed. With a continuous contract a contractor would be justified in procuring machinery, etc., especially adapted to this work and by which a good result could be obtained at economic prices.

Dredging Bush-street Dock. As the dredging of Bush-street Dock and possibly the channel is required by virtue of an agreement between the riparian owners and the Mayor and City Commissioner, I have placed the estimates for it in a separate item.

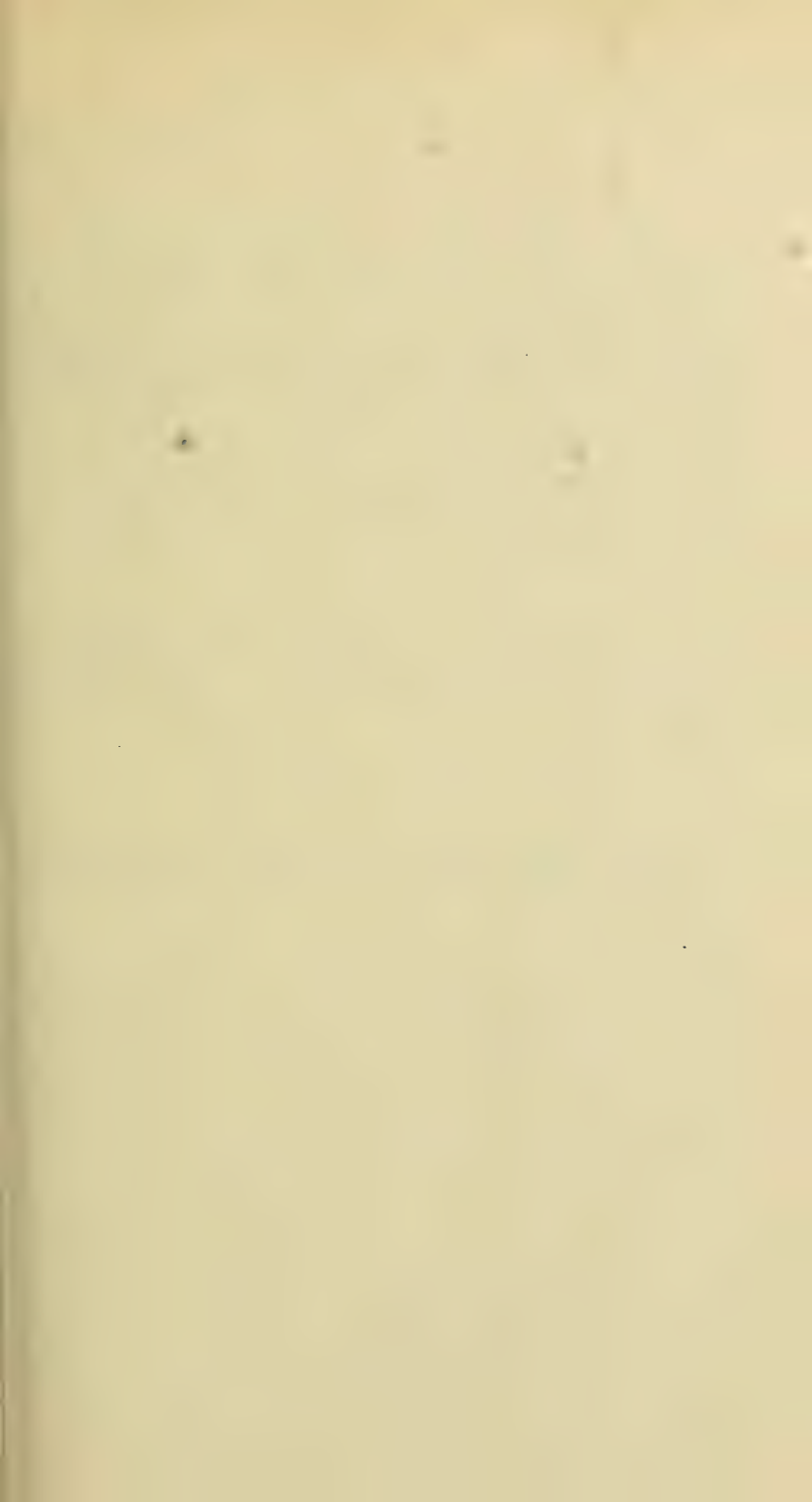
Estimates for 1897. I submit, in conclusion, estimates for work during 1897:

For dredging harbor, docks and channels, including Middle Branch, also operation and repair of Tug <i>Baltimore</i>	\$50,000 00
For dredging Bush-street Dock and channel.....	10,000 00
“ operation and maintenance of ice-boats.....	20,000 00
“ continuing rebuilding bulkhead in Back Basin.....	10,000 00
For repairs and supervision of wharves.....	5,000 00
“ operation and maintenance of ash-scow.....	1,500 00
“ removing floating matter from docks.....	2,500 00
Making a total of.....	\$99,000 00

I have also to express my satisfaction with the manner in which I have been aided by all the officers and agents of the Board.

Very respectfully,

N. H. HUTTON, *Engineer*,





ANNUAL REPORT

— OF THE —

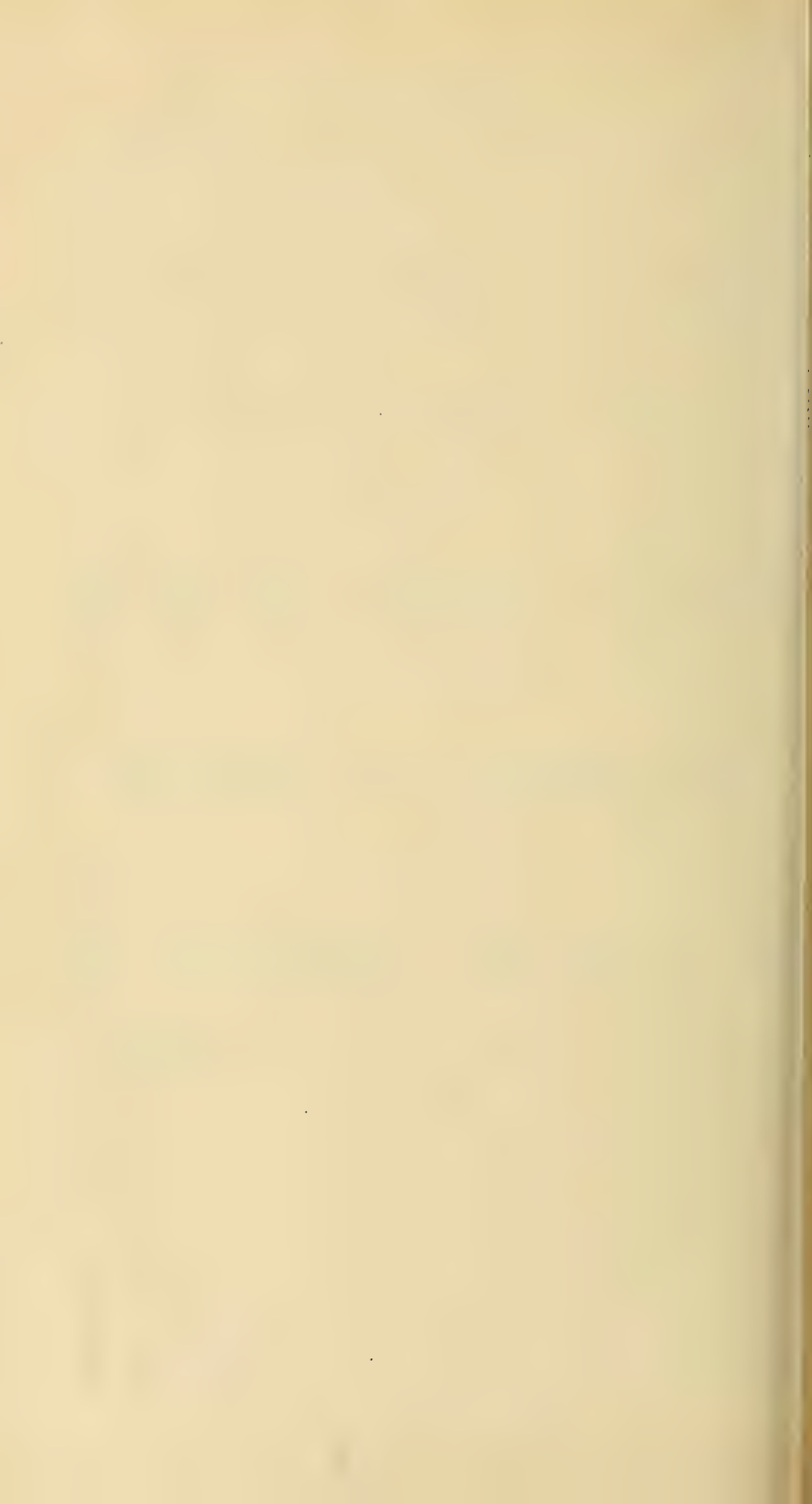
CITY COLLECTOR

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



REPORT.

TAX DEPARTMENT,
CITY COLLECTOR'S OFFICE—CITY HALL,
BALTIMORE, January 1, 1897.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: I have the honor to submit for your inspection the operations of this department for the year ending December 31st, 1896, in the first twenty wards of the city, and also in the Twenty-first and Twenty-second Wards:

The amount of money received from all sources during the year, including the Twenty-first and Twenty-second Wards, was \$6,434,412.71.

On levy of 1890, present basis, \$270,989,102, the collection have amounted to $99\frac{95}{100}$ per cent.

On levy of 1891, present basis, \$274,504,949, the collections have amounted to $99\frac{95}{100}$ per cent.

On levy of 1892, present basis, \$276,780,153, the collections have amounted to $99\frac{96}{100}$ per cent.

On levy of 1893, present basis, \$284,899,576, the collections have amounted to $99\frac{96}{100}$ per cent.

On levy of 1894, present basis, \$288,233,949, the collections have amounted to $99\frac{87}{100}$ per cent.

On levy of 1895, present basis, \$292,999,035, the collections have amounted to $93\frac{75}{100}$ per cent.

On levy of 1896, present basis, \$294,234,565, the collections from May to December, 31st, inclusive, amounts to $71\frac{26}{100}$ per cent. Deducting the amount of plant exempt from city taxation, the percentage collected amounts to $72\frac{12}{100}$ per cent.

Table A shows the monthly collections of both city and State, including the Twenty-first and Twenty-second Wards, amounting to \$6,434,412.71; of this sum, the city's proportion was \$5,934,432.66, and that of the State, \$499,980.05.

Table B shows the bases of the several levies on which collections have been made during the past year, with the

amounts collected on each levy; also the gross amounts received for opening, closing and widening and for paving streets, etc.

By this table it will be seen that there has been collected on

account of taxes in arrears.....	\$1,409,401 53
On account of levy of 1896.....	4,195,476 72
For opening and closing streets.....	55,253 03
For paving streets, etc.....	77,346 44

Table C shows the rate of tax per one hundred dollars, and the various items of the several levies from 1891 to 1896, inclusive.

Table D is an exhibit of the monthly receipts on the several levies from 1889 to 1896; also receipts for opening, closing and widening streets and alleys, and paving streets and alleys.

Table E exhibits the amounts collected during the past year, in accordance with the rates stated in Table C, divided in separate items forming each levy; also the amount of interest received from taxes in arrears, and the amount of discount allowed for the prompt payment of taxes.

Table F shows the bases and the basis collected upon within each year on the levies of the year 1888 to 1896, inclusive, to December 31st of each year; also on the levy of 1896 to December 31st, 1896, and on the levy of 1895 to December 31st, 1896.

Table G shows the percentage collected monthly from January 1st, 1896, to May, 1896, on the levy of 1895, and on the levy of 1896 to December 31st, 1896, inclusive.

Table H shows the receipts for opening, closing and widening streets and alleys during the year, amounting to \$55,253.03.

Table I shows the receipts for paving streets and alleys during the year, amounting to \$77,346.44.

Table J shows the total amounts collected, the total bases collected upon during the year 1896 in comparison with the same for the year 1895.

Table K is an exhibit of the bases of taxation realized upon on the levies from the year 1877 to 1893, inclusive, in the first twenty wards of the city.

ANNEX DEPARTMENT—TWENTY-FIRST AND TWENTY-SECOND
WARDS.

On the levy of 1889, present basis, \$22,400,800, the collections have amounted to 100 per cent.

On the levy of 1890, present basis, \$23,408,336, the collections have amounted to 100 per cent.

On the levy of 1891, present basis, \$25,318,299, the collections have amounted to $99\frac{88}{100}$ per cent.

On the levy of 1892, present basis, \$27,445,676, the collections have amounted to $99\frac{56}{100}$ per cent.

On the levy of 1893, present basis, \$27,578,737, the collections have amounted to $99\frac{6}{100}$ per cent.

On the levy of 1894, present basis, \$28,494,148, the collections have amounted to $98\frac{66}{100}$ per cent.

On the levy of 1895, present basis, \$31,069,857, the collections have amounted to $93\frac{56}{100}$ per cent.

On the levy of 1896, present basis, \$32,361,014, the collections have amounted to $67\frac{38}{100}$ per cent.

Table A shows the amounts of city and state taxes collected during the past year upon the levies of 1892 to 1896, inclusive, amounting to \$245,336.21; also the bases upon which such collections were made.

Table B shows the bases of the several levies on which collections have been made during the past year, with the amounts collected upon each levy, including the amount of interest received from taxes in arrears, and the amount of discount allowed for prompt payment of taxes.

Table C shows the percentage collected upon the present bases of the years 1889 to 1896, inclusive, from the dates of the respective levies to December 31st, 1896.

In submitting this annual report, which embraces eleven months of my predecessor's work, it will be seen that, notwithstanding the depression in the business of the country, a very fair comparative showing is made in the collections for the current year; also for taxes in arrears. The new assessment, which is to go into effect for 1897, it is hoped and expected will remedy many of the evils that have accumulated during the long period since the last general assessment was made. I fully appreciate the labor and time necessary to prepare our department for the collection of taxes

under the new law, and do trust that we shall be placed in possession of the assessments as early as possible.

I desire to acknowledge the cordial co-operation of the officials of the city with whom I have had to do, and also with thanks to my assistants for faithful and cheerful performance of their duties.

I am very respectfully,

JOHN F. PARLETT,

City Collector.

TABLES.

TABLE A.

Total City and State Taxes, including the Twenty-first and Twenty-second Wards, Received from January 1, 1896, to December 31, inclusive; also Amounts Received for Opening and Paving Streets, etc.

1896	TWENTY-FIRST AND TWENTY-SECOND WARDS.			TWENTY-FIRST AND TWENTY-SECOND WARDS.		
	CITY.	STATE.	TOTAL.	CITY.	STATE.	TOTAL.
January.....	\$ 763,699 95	\$ 68,227 55	\$ 831,927 50	\$36,415 96	\$ 8,145 55	\$44,561 51
February.....	81,882 78	7,287 36	89,170 14	4,868 44	1,416 04	6,284 48
March.....	79,205 29	6,031 78	85,237 07	2,582 29	743 65	3,325 94
April.....	79,118 96	7,179 59	86,298 55	3,511 78	1,010 60	4,522 38
May.....	2,670,520 98	179,768 96	2,850,289 94	76,591 15	16,997 86	93,589 01
June.....	348,399 32	29,572 96	377,972 28	15,518 07	4,358 63	19,876 70
July.....	241,274 13	18,395 56	259,669 69	7,114 67	2,070 04	9,184 71
August.....	153,642 15	29,347 99	182,990 14	5,336 39	3,020 77	8,357 16
September.....	265,935 51	17,170 72	283,106 23	14,530 56	2,130 50	16,661 06
October.....	237,445 29	18,981 52	256,426 81	6,044 71	1,682 85	7,727 56
November.....	259,659 92	22,667 25	282,327 17	6,102 50	1,671 10	7,773 60
December.....	556,693 44	46,967 54	603,660 98	18,338 42	5,133 68	23,472 10
	\$5,737,477 72	\$451,598 78	\$6,189,076 50	\$196,954 94	\$48,381 27	\$245,336 21
City, including streets.....	\$5,737,477 72		State.....			\$451,598 78
City—Twenty-first and Twenty-second Wards.....	196,954 94		State—Twenty-first and Twenty-second Wards.....			48,381 27
		\$5,934,432 66				\$499,980 05
City.....						\$5,934,432 66
State.....						499,980 05
						\$6,434,412 71

TABLE C.
Rate of Tax Per One Hundred Dollars.

	1891.	1892.	1893.	1894.	1895.	1896.
Police Department.....	\$0 28	\$0 25	\$0 31	\$0 25	\$0 28	\$0 27
Certain expenses.....	9	8	7	8	8	9
Public schools.....	23	25	32	32	31½	37½
City poor.....	10	10	11	10	12	11
City direct.....	46	43	29	52	53	66½
Interest on stock debt.....	24	30	30	23	30	27
Opening streets.....	4	3	4	7	1	4½
Water tax.....	2	2	2	2		
Water 1926 Sinking Fund.....	1	1	1	1	1	1
Internal Improvement 1928 Sink- ing Fund.....	3	3	3	3	3	3
General Sinking Fund.....	5	5	5	5	5	8½
Public Improvement 1940 Sink- ing Fund.....				2	2	2
Four Million Loan Sinking Fund.....					½	½
Water 1916 Sinking Fund.....						2
Water 1928 Sinking Fund.....						½
	\$1 55	\$1 55	\$1 55	\$1 70	\$1 75	\$2 00

TABLE D.

Monthly Receipts of Taxes on the Several Levies from 1889 to 1896, inclusive, for Opening Streets and Alleys, and for Paving Streets and Alleys from January 1, 1896, to December 31, 1896, inclusive.

1896.	1889.	1891.	1892.	1893.	1894.	1895.	1896.	OPENING STREETS AND ALLEYS.	PAVING STREETS AND ALLEYS.	TOTAL.
January...	.....	\$ 86 01	\$1,561 32	\$2,854 22	\$35,261 60	\$712,366 79	.....	\$ 228 93	\$11,341 08	\$ 763,699 95
February...	\$163 39	231 67	1,490 18	2,626 13	18,416 10	50,985 23	.....	221 00	7,749 08	81,882 78
March...	.....	.....	265 54	2,232 69	14,073 77	44,769 63	.....	.....	17,863 66	79,205 29
April...	.....	.....	274 84	1,257 26	21,589 93	48,718 89	.....	.....	4,201 19	79,118 96
May...	.....	.....	922 43	2,180 68	22,551 76	43,081 07	\$2,594,215 08	3,076 85	7,048 09	2,670,520 98
June...	.....	.....	.....	1,454 46	14,765 28	35,832 25	289,765 76	521 87	3,901 70	348,399 32
July...	.....	.....	84 40	905 34	12,909 95	33,154 12	169,690 92	2,679 87	7,543 68	241,274 13
August...	.....	.....	.....	8,720 85	7,511 89	26,184 55	106,250 28	1,053 00	3,921 58	153,042 15
September...	.....	.....	326 44	730 23	18,803 15	27,304 58	217,451 46	530 19	789 46	265,935 51
October...	.....	.....	62 17	376 03	34,641 99	26,741 59	153,622 40	21,248 50	752 61	237,445 29
November...	.....	.....	.....	2,835 31	54,073 29	21,370 36	173,458 94	4,428 75	3,493 27	259,659 92
December...	.....	.....	.....	269 12	14,796 36	37,586 69	491,021 88	4,278 35	8,741 04	556,693 44
	\$163 39	\$317 68	\$4,987 32	\$26,442 32	\$269,395 07	\$1,108,095 75	\$4,195,476 72	\$55,253 03	\$77,346 44	\$5,737,477 72

TABLE F.

Of Percentage Collected Within the Year on Levies 1888 to 1895 to December 31, 1895; also on Levy of 1896 from Date of Levy to December 31, 1896; also on Basis of 1895 to December 31, 1896.

YEAR.	BASIS.	BASIS COLLECTED UPON.	PER CENT.
1888.....	\$267,078,210	\$190,212,983	71.22
1889.....	270,217,863	193,061,621	71.45
1890.....	275,710,432	193,856,812	70.31
1891.....	278,398,105	201,662,443	72.44
1892.....	282,720,820	205,802,258	72.79
1893.....	290,309,113	201,433,295	69.38
1894.....	292,090,946	210,798,898	72.17
1895 to December 31, 1895.....	295,065,321	211,962,302	71.84
1896 to December 31, 1896.....	294,234,565	209,773,836	71.26
1895 to December 31, 1896.....	292,999,035	274,701,182	93.76

TABLE G.

Showing the Percentage Collected Monthly from January 1, 1896, to May, 1896, on Levy of 1895, and on Levy of 1896, from May, 1896, to December 31, 1896, inclusive.

BASIS.	MONTHS.	BASIS COLLECTED UPON.	PER CENT.
1895. \$295,065,321.....	January	\$40,706,674	13.80
	February	2,898,947	.98
	March	2,532,935	.86
	April	3,742,795	1.27
		<u>\$49,881,351</u>	<u>16.91</u>
1896. \$294,234,565.....	May	\$129,710,754	44.08
	June	14,488,288	4.91
	July	8,484,546	2.88
	August	5,312,514	1.80
	September	10,872,573	3.69
	October	7,681,120	2.61
	November	8,672,947	2.95
	December	24,551,094	8.34
		<u>\$209,773,836</u>	<u>71.26</u>

Basis December 31, 1896..... \$294,234,565

Less plant exemption..... 3,348,055

\$290,886,510

Amount collected upon, \$209,773,836—equal 72.12 per cent.

TABLE H.

Summary of Receipts for Opening and Closing Streets and Alleys from
January 1, 1896, to December 31, 1896, inclusive.

Ten-foot alley.....	\$ 210 79
Ensor street	137 50
Gay street.....	27,477 41
Bayard street.....	189 00
East and Chesnut streets	1,576 36
Seventy (70) foot street.....	293 42
Patterson avenue.....	205 50
Hollins street.....	3,455 00
Madison street.....	13,936 27
Castle street.....	1,212 25
Dallas street	1,629 36
Morris alley.....	595 00
Forrest street.....	2,104 89
Great Constitution street.....	436 50
Collington avenue.....	1,568 25
Payson street.....	117 50
Birckhead street.....	108 03
	<hr/>
	\$55,253 03

TABLE I.

Summary of Receipts for Paving Streets and Alleys from January 1, 1896' to December 31, 1896, inclusive.

Wolfe street.....	\$1,199 63
Patapsco street.....	951 50
Luzerne street.....	3,935 65
Johnson street.....	136 37
Brevard street.....	1,061 62
Appleton street.....	440 09
Cannon street.....	9,666 54
McCulloh street.....	3,814 48
Montford avenue.....	4,561 12
Eastern avenue.....	421 78
Riggs avenue.....	1,928 83
Ten (10) foot alley.....	4 81
Chester street.....	1,739 79
Preston street.....	4,642 11
Chase street.....	3,007 79
Jefferson street.....	2,337 74
Rose street.....	935 96
Whitelock street.....	7,489 95
Footway Biddle street.....	9 63
Footway Gay street.....	10 63
Footway Gorsuch avenue.....	36 75
Footway North avenue.....	663 92
Footway Pulaski street.....	136 90
Footway Baker street.....	30 37
Milton avenue.....	4,325 59
Spring street.....	940 61
Oliver street.....	5,423 06
Andre street.....	2,519 16
Clement street.....	2,992 02
Lanvale street.....	297 86
Barclay street.....	843 86
Beason street.....	688 76
Federal street.....	1,410 52
Lawrence street.....	175 90
Bayard street.....	102 10
Covington street.....	3,367 07
Baker street.....	2,208 80
Marshall street.....	318 01
Footway estate of Garrett.....	1 20
Footway Baltimore street.....	15 69
Footway Lexington street.....	65 92
Footways.....	2,486 35

\$77,346 44

TABLE J.

Shows the Total Amounts Collected, the Total Basis Collected upon During the year 1896 on Taxes in Arrears and on Levy of 1896, in Comparison with the Same for the Year 1895.

The total amounts collected in 1896 were:		
	<i>Basis.</i>	<i>Cash.</i>
On taxes in arrears.....	\$ 79,075,197	\$1,409,401 53
On levy of 1896.....	209,773,836	4,195,476 72
Total.....	\$288,849,033	\$5,604,878 25
The total amounts collected in 1895 were:		
On taxes in arrears.....	\$ 76,029,401	\$1,300,841 57
On levy of 1895.....	211,962,302	3,709,320 46
Total.....	\$287,991,703	\$5,010,162 03

SUMMARY.

1896 taxes in arrears.....	\$ 79,075,197	\$1,409,401 53
1895 " " ".....	76,029,401	1,300,841 57
1896 on levy of 1896.....	\$209,849,033	\$4,195,476 72
1895 " " " 1895.....	211,962,302	3,709,320 46

TABLE K

Is an Exhibit of the Bases of Taxation Realized upon in the first Twenty Wards of the City on the Respective Levies from the Years 1877 to 1893, inclusive.

YEAR.	TOTAL BASES REALIZED UPON.	INCREASE.	DECREASE.
1877.....	\$233,664,251	.....	.....
1878.....	227,424,677	.....	\$6,239,574
1879.....	229,254,146	\$1,829,469	.....
1880.....	235,322,164	6,068,018	.....
1881.....	240,416,582	5,094,418	.....
1882.....	241,671,879	1,255,297	.....
1883.....	242,692,143	1,020,264	.....
1884.....	245,885,024	3,192,881	.....
1885.....	249,198,435	3,315,411	.....
1886.....	251,637,320	2,438,885	.....
1887.....	260,286,192	8,648,872	.....
1888.....	261,910,095	1,623,903	.....
1889.....	266,875,123	4,965,128	.....
1890.....	271,009,010	4,133,887	.....
1891.....	274,392,228	3,383,218	.....
1892.....	276,672,351	2,280,123	.....
1893.....	284,794,270	8,121,919	.....

Increase, \$57,377,693

NOTE.—These are the bases actually collected and realized upon, and which represent the entire taxable valuations for those years, showing an increase from 1878 to 1893 of \$57,377,693. For the year 1893, however, and also the years 1894, 1895 and 1896 the actual available bases have not yet been ascertained.

TABLE A.
 TWENTY-FIRST AND TWENTY-SECOND WARDS.

The collections for the Twenty-first and Twenty-second Wards during the year 1896 were \$196,954.94, of which there were collected on:

Levy of 1892.....	\$ 169 21
" 1893.....	435 50
" 1894.....	8,385 63
" 1895.....	57,130 06
" 1896.....	130,834 54
	<hr/>
	\$196,954 94

The bases collected on were:

Levy of 1892.....	\$ 23,753 00
" 1893.....	63,657 00
" 1894.....	1,286,706 00
" 1895.....	9,436,038 00
" 1896.....	21,805,762 00

The amount of State Taxes collected on were:

Levy of 1892.....	\$ 42 17
" 1893.....	111 20
" 1894.....	2,282 72
" 1895.....	14,191 80
" 1896.....	31,753 38
	<hr/>
	\$48,381 27

TABLE B—TWENTY-FIRST AND TWENTY-SECOND WARDS.
Recapitulation of Taxes Collected from January 1, 1896, to December 31, 1896, inclusive.

	BASIS.	RATE.	TAX.	DISCOUNT.	NET TAX.	INTEREST.	TOTAL, INCLUDING DISCOUNT AND INTEREST.
1892.		\$0 60	\$ 142 52	.....	\$ 142 52	\$ 26 69	\$ 169 21
Real	\$ 23,753 00						
Personal.....							
1893.							
Real	31,543 00	60	189 26	.....	189 26	28 52	217 78
Personal.....	32,114 00		192 68		192 68	25 04	217 72
1894.							
Real	1,200,787 00	60	7,204 71	.....	7,204 71	627 54	7,832 25
Personal.....	85,919 00		515 51		515 51	37 87	553 38
1895.							
Real	7,411,248 00	60	44,467 49	.....	44,467 49	485 77	44,953 26
Personal.....	2,024,790 00		12,148 73		12,148 73	28 07	12,176 80
1896.							
Real	\$10,810,154 00		\$64,860 90		\$64,860 90	\$1,259 50	\$66,120 40
Personal.....	\$16,320,959 00	60	\$97,925 75	\$2,460 21	\$64,860 90	.....	\$66,120 40
	5,484,803 00		32,908 79	1,282 38	95,465 54	.....	97,925 75
			.....		31,626 41	.....	32,908 79
	\$21,805,762 00			\$3,742 59	\$191,952 85	\$1,259 50	\$196,954 94

SUMMARY.

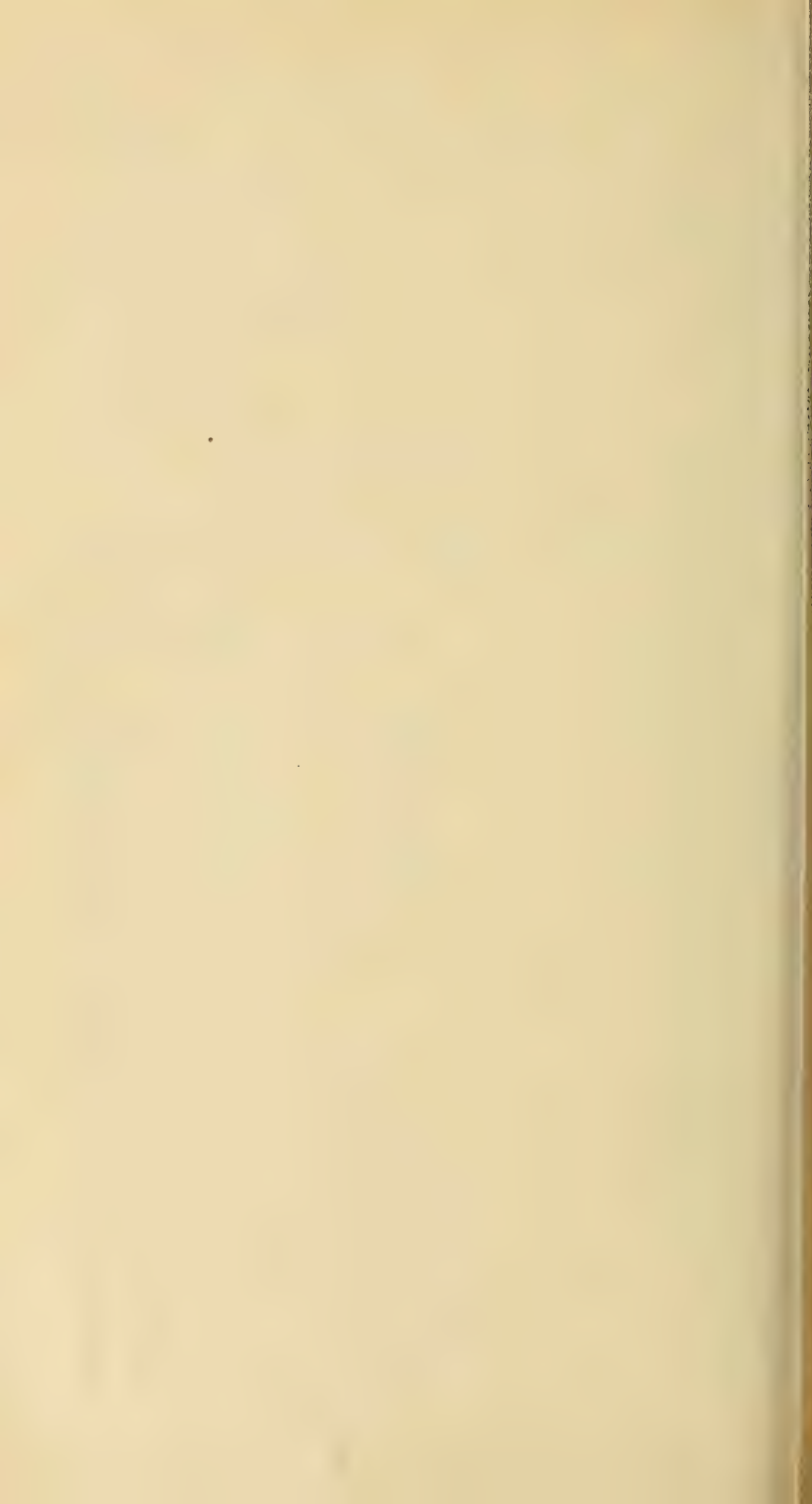
Amount collected on account of levy, 1896.....	\$130,834 54
" " taxes in arrears	64,860 90
" " for interest.....	1,259 50
	<hr/>
	\$196,954 94

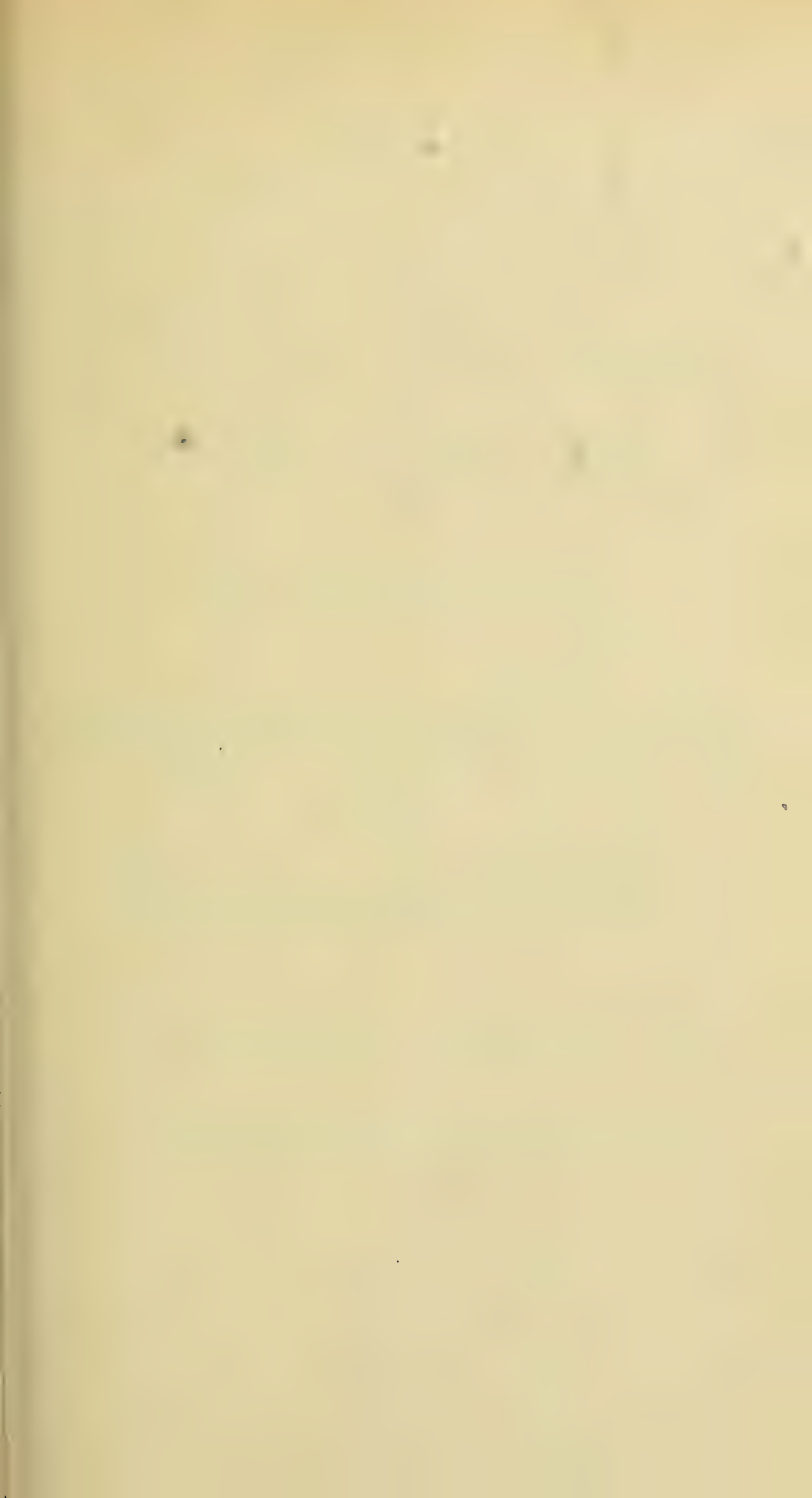
TABLE C.

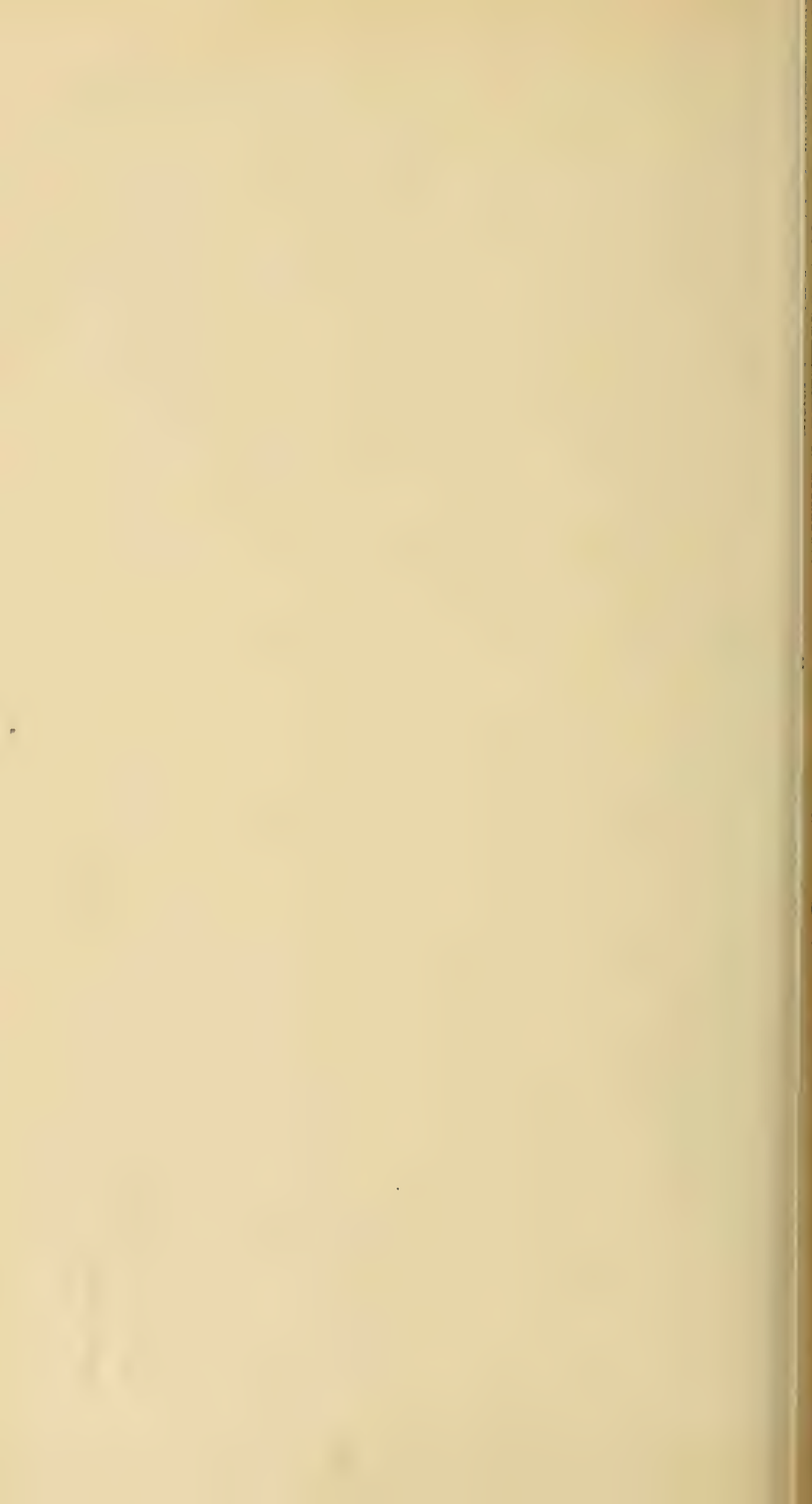
TWENTY-FIRST AND TWENTY-SECOND WARDS.

Showing the Percentage Collected on the Present Bases of 1889 to 1896,
inclusive, from the Dates of the Respective Levies to
December 31, 1896.

YEAR.	PRESENT BASES.	BASES COLLECTED UPON.	PER. CENT.
1889.....	\$22,400,840	\$22,400,840	100.00
1890.....	23,408,336	23,408,336	100.00
1891.....	25,318,299	25,313,985	99.98
1892.....	27,445,676	27,323,634	99.55
1893.....	27,578,737	27,320,764	99.06
1894.....	28,494,148	28,183,926	98.91
1895.....	31,069,857	29,068,599	93.53
1896.....	32,361,014	21,805,762	67.38







THIRTY-SEVENTH ANNUAL REPORT

OF THE

COMMISSIONERS

FOR

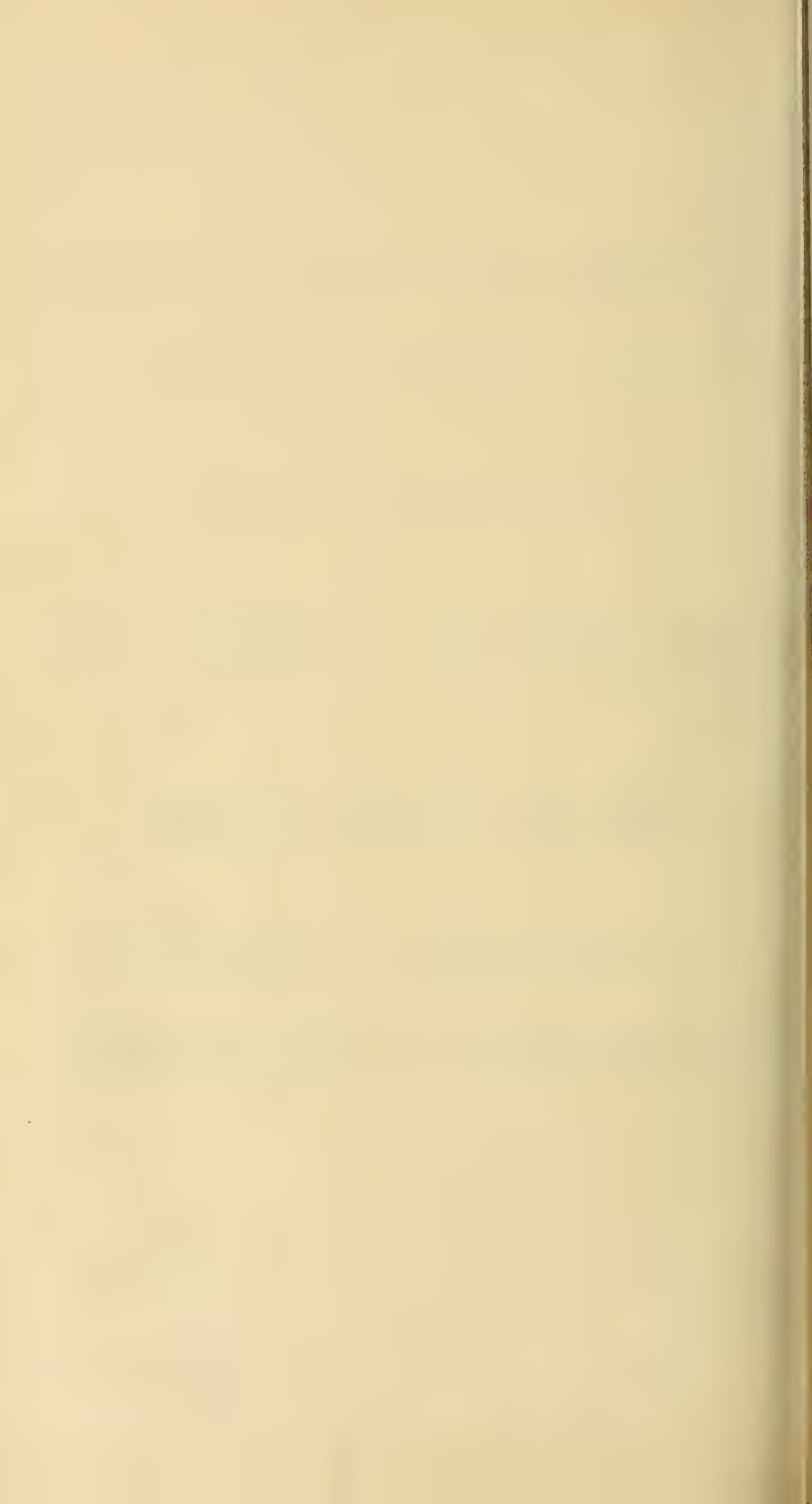
OPENING STREETS

TO THE

Mayor and City Council of Baltimore

FOR THE

FISCAL YEAR ENDING DECEMBER 31, 1896.



REPORT.

OFFICE OF THE COMMISSIONERS FOR OPENING STREETS.

BALTIMORE, January 1, 1897.

To the Honorable the Mayor and City Council of Baltimore :

GENTLEMEN: We have the honor to submit to you a statement of the operations of this department from January 1, 1896, to December 31, 1896, inclusive.

The following list comprises the streets, alleys, etc., condemned, opened and closed during the above stated time; also the amount of damages, expenses and benefits, and amount assessed to the Mayor and City Council for each and every street, etc.:

STREETS OPENED AND CLOSED.

NAME OF STREETS, ETC.—OPENED.	No. ORD.	APPROVED.	DAMAGES.	EXPENSES.	BENEFITS.	AMOUNT ON CITY.
Burke street from Oliver street to Belair avenue.....	162	Oct. 28, 1889.	\$37,408 73	8 654 21	813,584 44	\$24,478 50
Rose street from Fairmount avenue to Monument street.....	46	Apr. 14, 1894.	20,202 38	696 13	9,719 34	11,179 17
Castle street from Lanvale street to North avenue.....	124	July 3, 1894.	5,180 00	515 48	2,979 25	2,716 23
Fairmount avenue from Luzerne street to the eastern city limits.....	131	May 8, 1893.	25,563 11	1,132 36	14,063 80	12,631 67
Pulaski street from North avenue to Clifton avenue.....	131	June 23, 1891.	8,302 25	390 26	5,161 59	3,530 92
Bradford street from Federal street to Townsend street.....	96	June 6, 1895.	9,132 08	405 13	4,631 25	5,505 96
Great Constitution street from Biddle street to Preston street.....	43	May 3, 1895.	2,337 50	346 70	880 50	1,803 70
Payson street from North avenue to Clifton avenue.....	130	June 23, 1891.	10,505 00	392 13	4,920 00	5,977 13
Port street from Federal street to Town- send street.....	95	June 5, 1895.	10,838 33	403 35	5,305 00	5,936 68
Townsend street from Broadway to Washington street.....	165	May 12, 1893.	9,873 74	608 93	6,825 75	3,656 92
Collington avenue from Biddle street to Preston street.....	4	Feb. 27, 1896.	13,474 50	544 68	5,588 74	8,430 44
Clarkson alley from Barney street to Moale street.....	112	May 29, 1884.	13,794 38	1,131 38	8,510 76	6,415 00

Patuxent street from Monument street to Eastern avenue.....	47	Apr. 29, 1884.	42,692 15	1,436 48	23,901 99	20,226 64
Jefferson street from Milton avenue to Patapsco street.....	117	July 22, 1896.	10,057 92	643 01	4,520 00	6,180 93
			<u>\$219,362 07</u>	\$9,300 23	\$109,992 41	\$118,669 89
Closed.						
Fourth street south of Fort avenue ...	131	Aug. 18, 1896.	.....	215 00	215 00	.....
			<u>\$219,362 07</u>	\$9,515 23	\$110,207 41	\$118,669 89

STREETS, ALLEYS, ETC., IN PROCESS OF OPENING.

NAME OF STREET.	No. Ord.	APPROVED.
Clement street from Allen street to Hull street.....	163	Nov. 2, 1896
Morton alley from John street to Hoffman street...	96	May 25, 1882
An alley ten (10) feet wide from the north side of McElderry street to an alley ten (10) feet wide, now open, between Eden street and Spring street.	97	Oct. 20, 1883
An alley ten (10) feet wide from the north side of Orleans street to the south side of Jefferson street between Central avenue and Eden street.....	97	Oct. 20, 1883
An alley nine (9) feet nine (9) inches wide from the north side of Monument street to an alley ten (10) feet wide between Eden street and Spring street..	97	Oct. 20, 1883
An alley ten (10) feet wide from the south side of Monument street to an alley ten (10) feet wide, now open, between Caroline street and Spring street	97	Oct. 20, 1883
An alley ten (10) feet wide from the north side of Madison street to the south side of Chew street between Caroline street and Dallas street.....	97	Oct. 20, 1883
An alley twelve (12) feet wide in the centre of Kir- bys (or Dorseys) lane from Lanvale street to the Harlem Stage Company's property	33	April 3, 1884
Race street from Barney street to Moale street.....	113	May 29, 1884
Henry street from Clement street to Fifth lane	77	May 14, 1885
Beason street from Decatur street to the property of H. A. Ramsay & Co.....	93	Oct. 17, 1885
South Paca street from Stockholm street to West street	23	Apr. 6, 1887
Patapsco street from Baltimore street to Monument street.....	81	May 17, 1887
Port alley from Aliceanna street to Lancaster street.	86	May 18, 1887
Elizabeth lane from Randall street to Heath street.	54	May 2, 1888
Dallas street from Oliver street to Hoffman street...	115	Oct. 16, 1888
Rope Walk lane from Randall street to Heath street	36	Apr. 26, 1888
Towson street from Fort avenue to Marriott street..	70	May 23, 1888
Florence street from Fulton avenue to Retreat street	99	June 8, 1888
Francis street from Retreat street to Whitelock street	101	June 8, 1888
Morris alley from North avenue to Druid Hill Park.	103	June 8, 1888
Stoddard alley from Mosher street to McMechen street	148	Oct. 9, 1888
Baltimore street from its present terminus to the western city limits	150	Oct. 15, 1888
Nicholson street from Decatur street to Cooksie street	161	Oct. 28, 1888
Porter street from Claggett street to Beason street...	171	Oct. 27, 1890
Ridgely street from Ostend street to Gwynns Falls..	77	May 8, 1891
An alley ten (10) feet wide from Second street to First street, between Calvert street and Hargrove alley.	111	June 4, 1891

STREETS, ALLEYS, Etc., IN PROCESS OF OPENING—Continued.

NAME OF STREET.	No. Ord.	APPROVED.
Ducatel street from Madison avenue to Bolton street	121	June 13, 1891
Wolfe street from North avenue to Lake avenue....	123	June 16, 1891
West street from Paca street to Burgundy alley	94	May 11, 1892
An alley fifteen (15) feet wide from Gold street to Bloom street	23	Mar. 6, 1893
Chew street from Chester street to Patterson Park avenue.....	88	Apr. 20, 1893
Chase street from Patterson Park avenue to Grove alley.	114	May 3, 1893
Lanvale street from Wolfe street to Washington street	130	May 8, 1893
Smallwood street from Pratt street to Fayette street.	179	May 22, 1893
Neighbor street from McKim street to Greenmount avenue.	106	May 28, 1894
Windsor avenue from North avenue to Clifton avenue	26	Mar. 20, 1894
Canton avenue from Cannon street to Luzerne street	67	May 15, 1895
Chesapeake street from Fait avenue to Eastern avenue	82	May 29, 1895
Port street from Townsend street to North avenue..	50	Mar. 27, 1896
Chesapeake street from Fait avenue to Eastern avenue	126	July 27, 1896
Chesapeake street from Baltimore street to Phila- delphia road.....	127	July 27, 1896
Grove street from Baltimore street to Fayette street.	138	Sept. 18, 1896
Glover street from Fayette street to Monument street	149	Oct. 20, 1896
Maryland avenue from Huntingdon avenue to Home- wood avenue	167	Nov. 2, 1896

STREETS, ALLEYS, ETC., IN PROCESS OF CLOSING.

NAME OF STREET.	No. Ord.	APPROVED.
Point lane from Ensor street to North avenue	84	May 23, 1882
Kirbys (or Dorseys) lane from Lanvale street to the Harlem Stage Company's property	94	Oct. 20, 1883
An alley from Madison street to an alley ten (10) feet wide between Eden street and Spring street . . .	97	Oct. 20, 1883
V alley between Barre street and Welcome alley . . .	91	Oct. 8, 1885
Kirbys (or Dorseys) lane, excepting twelve (12) feet in the centre thereof, from the south side of the Harlem Stage Company's property to the south side of Winchester street	104	July 3, 1886
Kirbys (or Dorseys) lane, excepting twelve (12) feet in the centre thereof, from Lanvale street to the Harlem Stage Company's property	116	Sept. 17, 1886
Butchers lane from Calhoun street to North avenue .	61	May 2, 1888
Fourth lane from Hanover street to Light street . . .	22	Mar. 29, 1889
Brown's lane from Eden street to Caroline street . . .	111	June 10, 1889
Truxton street from Forrest street to Concord street .	111	Oct. 17, 1892
Clifton place from Truxton street to Eager street . . .	111	Oct. 17, 1892
Grove street from Truxton street to Eager street . . .	111	Oct. 17, 1892
Half Moon alley west of Chesnut street	96	May 25, 1891
Comet street from a ten-foot alley to a fence corner there situated	105	May 27, 1891
An alley thirty-three (33) feet wide from the York road to about one hundred and thirty-three feet south of Huntingdon avenue	25	Mar. 6, 1893
Whitelock lane between North avenue and Francis st.	95	May 15, 1896
Gilmors lane from Twenty-seventh street to Twenty- ninth street	146	Oct. 13, 1896

This Board respectfully recommends the repeal of the following ordinances:

No. 94, approved October 20, 1883, for the closing of Kirbys (or Dorseys) lane from Lanvale street to the Harlem Stage Company's property, because the object sought to be obtained by such proposed closing is fully and better provided for in the following ordinances: No. 33, approved April 3, 1884; No. 104, approved July 3, 1886; No. 116, approved September 17, 1886.

Also, Ordinance No. 111, approved June 10, 1889, for the closing of Browns lane from Eden to Caroline streets, because the city has no legal right to close the same, the bed thereof being private property, under a decision of the Court of Appeals of Maryland.

Also, Ordinance No. 105, approved May 27, 1891, for the closing of Comet street, for the reason that to close this street as proposed in said ordinance would shut in improved private property, which has no other outlet.

Also, Ordinance No. 26, approved March 20, 1894, for the opening of Windsor avenue from North avenue to Clifton avenue, because a street has already been provided there by private agreement between the parties in interest without expense to the city.

Also, Ordinance No. 106, approved May 28, 1894, to condemn and open Neighbor street from McKim street to Greenmount avenue, because said ordinance is defective in that it does not definitely designate the points at which such opening shall be made.

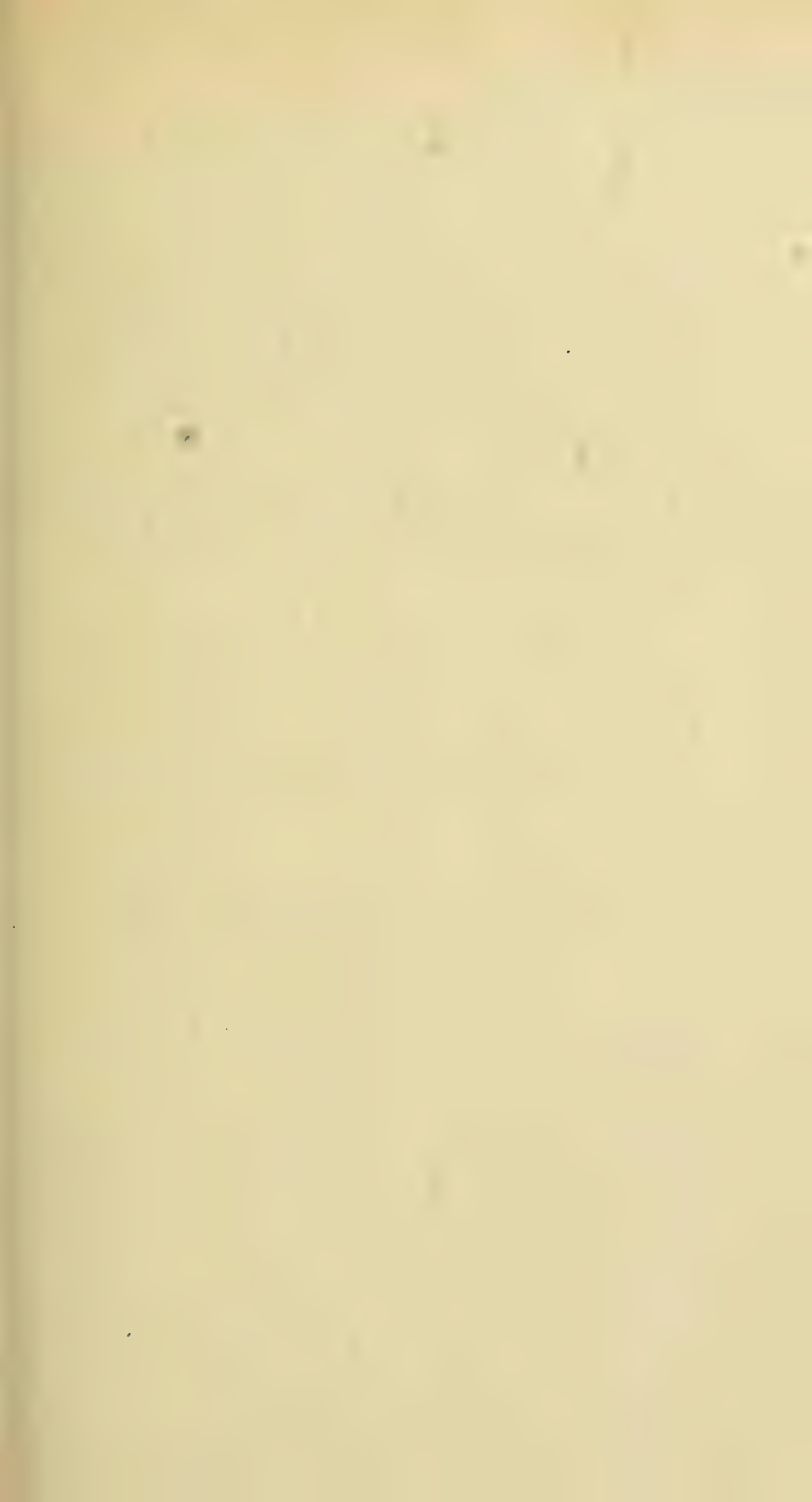
All of which is respectfully submitted.

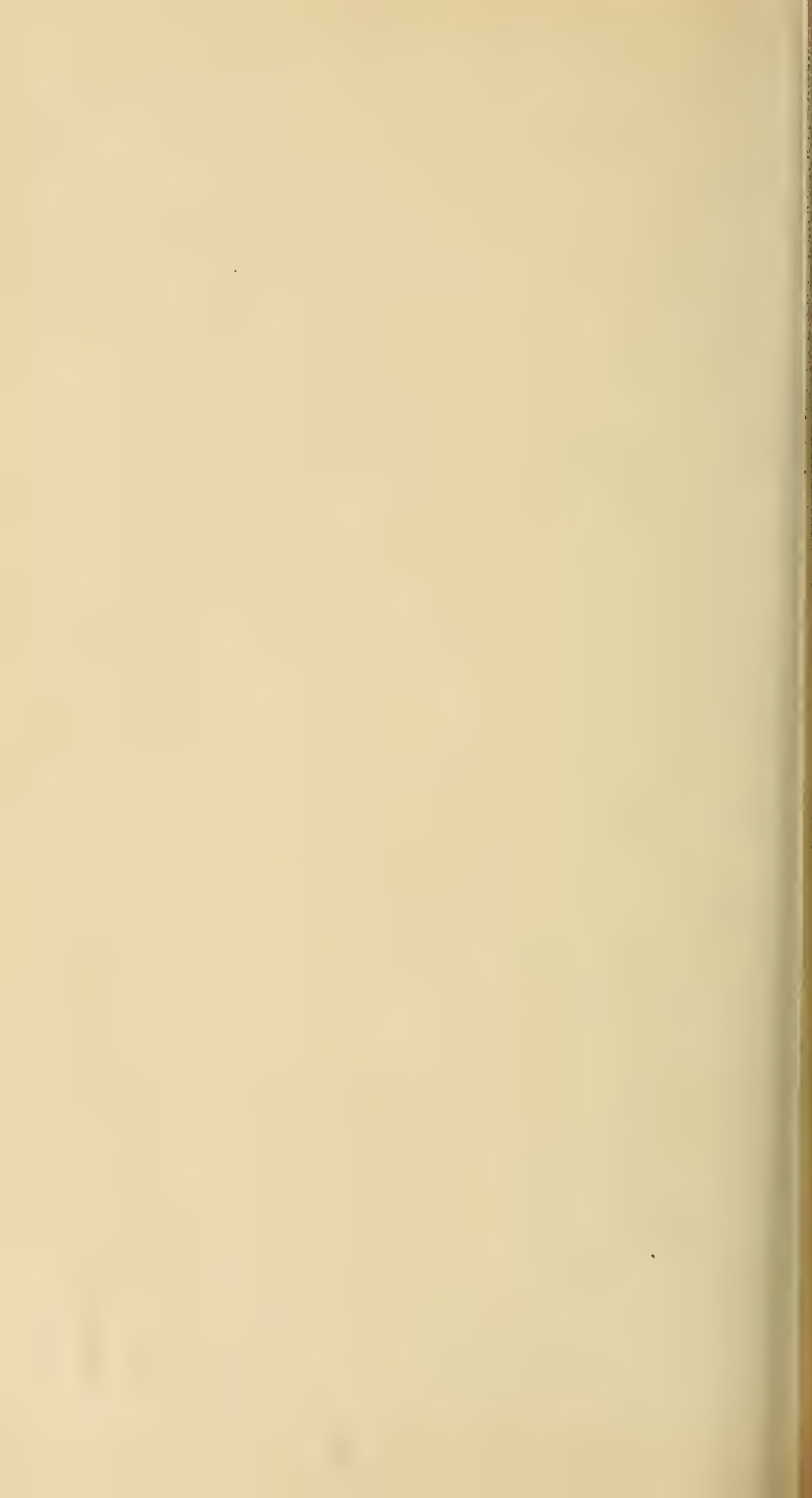
SAMUEL F. SHARRETTS,
LOUIS BECK,
JAMES R. BREWER,

Commissioners.

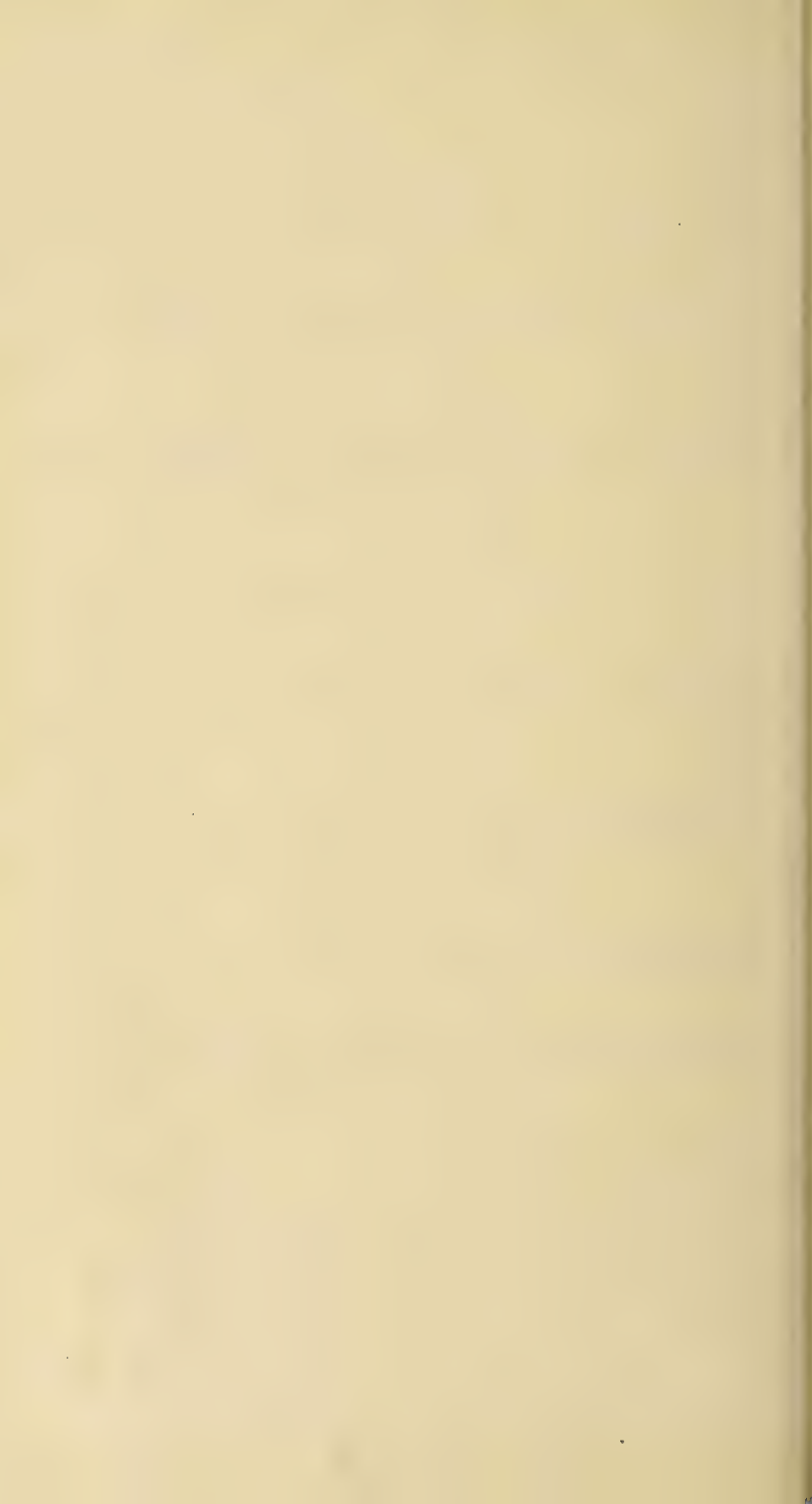
ROBERT F. GREEN, *Clerk.*







THIRTEENTH ANNUAL REPORT
OF THE
Board of Fire Commissioners
AND
THIRTY-EIGHTH ANNUAL REPORT
OF THE
FIRE DEPARTMENT
TO THE
Mayor and City Council of Baltimore
FOR THE
FISCAL YEAR ENDING DECEMBER 31, 1896.



Officers of the Fire Department.

FIRE COMMISSIONERS:

A. ROSZEL CATHCART, - - - PRESIDENT.

HON. ALCAEUS HOOPER, *Ex-officio*,

R. H. GILBERT, - - - J. H. McFAUL.

SECRETARY AND CLERK:

STANLEY BAKER.

ASSISTANT CLERK:

WALTER J. HILL.

CHIEF ENGINEER:

WILLIAM C. McAFEE.

DISTRICT ENGINEERS:

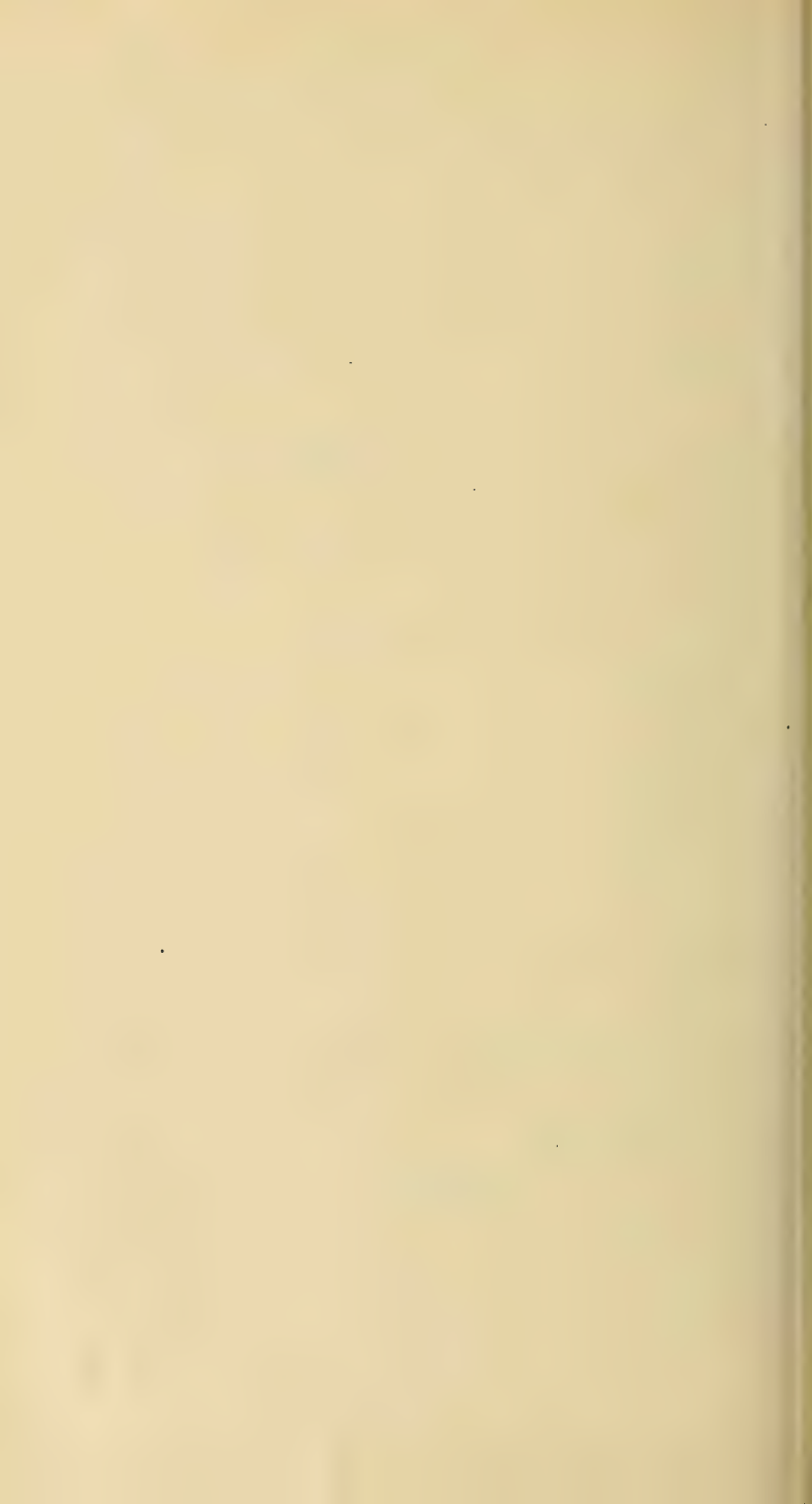
First District,	-	-	-	GEORGE W. HORTON.
Second	"	-	-	AUGUST EMERICH.
Third	"	-	-	LEVIN H. BURKHARDT.
Fourth	"	-	-	FIELDING H. LUCAS.
Fifth	"	-	-	FRANK K. CONWAY.
Sixth	"	-	-	WILLIAM A. LARKINS.

SUPERINTENDENT OF MACHINERY:

GEORGE J. LINSENMEYER.

SUPERINTENDENT OF POLICE AND FIRE ALARM TELEGRAPH;

LEONA LEMON.



REPORT.

OFFICE OF BOARD OF FIRE COMMISSIONERS—CITY HALL,

BALTIMORE, January 1, 1897.

To the Honorable the Mayor and City Council of Baltimore :

GENTLEMEN: The Board of Fire Commissioners beg to submit herewith, for your consideration, the report of the operations of the Fire Department, for the fiscal year ending December 31, 1896, together with recommendations for such additions thereto and improvements therein as, in their judgment, are absolutely essential for the proper protection of the life and property of the citizens of Baltimore.

FIRES.

The fire record for the year, in point of numbers, has been unprecedented. This is but a natural sequence, following in the wake of the growth of a large city. With a constant increase in population, area and number of buildings, must of necessity come a corresponding increase in the liability to fire.

During the year the city has not been visited by any serious or disastrous conflagration. While this is in a large measure due to the efficient work of the department, at the same time it must be recognized that we have been extremely fortunate, in that we have not had two or more large fires at any one time. This we are liable to have at any moment, and when it does occur, as occur it will, the lamentable lack of protection, because of our meagre supply of apparatus, will be made, we fear, terribly apparent. The protection from fire afforded certain sections of the city in the suburban districts, is entirely inadequate, and should there be one or more large fires in the business section, the companies covering such outlying districts would be moved in towards the centre of the city, leaving large areas of territory almost entirely devoid of any protection whatever,

and should a fire occur in this unprotected territory at such time, it would burn uninterruptedly, as the department, because of lack of sufficient apparatus, would be powerless to render any aid.

Again, should two large fires start simultaneously, one in the extreme eastern section and one in the extreme western section of the city, causing the transfer of apparatus away from the centre of the city, the entire business section would be left unprotected, and it is the experience of all large cities, that disastrous fires occur when the department is least prepared to contend with them.

This is a most serious condition and menace, and we feel that we cannot too strongly urge upon your honorable body the absolute importance of providing for the pressing and immediate needs of the department.

An examination of the Table of Comparative Fire Department Statistics, which forms a part of the report of the Chief Engineer, shows that while Baltimore ranks the sixth city in the union, in point of population, it ranks thirteenth in point of fire department equipment, and we feel that your honorable body will agree with us, that it is a false, as well as expensive, economy, which seeks to save in the matter of cost of apparatus, at the constant risk of loss of human life and great destruction of property.

NEW APPARATUS.

The immediate and pressing needs of the department, estimated upon a most conservative basis, are as follows, viz.:

1st. An additional fire-boat. Should the fire-boat *Cata-ract* from any cause become disabled, our entire water front, with its vast stores of wealth, would be left largely unprotected, the land force being able to reach it from one side only.

2nd. An additional water tower. Should our present "Tower" become disabled, or be in service at a fire, and a second fire should occur in any of the large hotels or high buildings in another section of the city, the lack of this important piece of apparatus would be most seriously felt.

3rd. Five additional fire engine companies, to be located as follows:

One in the vicinity of Caroline and Lancaster streets.

One in the vicinity of Chesapeake and Hudson streets.

One in the vicinity of Pratt and Carey streets.

One at Hampden, and

One at Waverly.

These respective sections of the city are at present very poorly protected. In the southeastern and southwestern sections are located valuable commercial properties; in the northern section are the homes of the people. In the one case, property largely at risk; in the other, largely the lives of the citizens of Baltimore.

4th. An additional hook and ladder truck company, to be located in the vicinity of North and Mount Royal avenues. This is a densely populated residential section of the city, with the nearest truck company far removed, and as a truck company is essentially a life-saving arm of the service, the necessity for its location at this point is at once apparent. The bare possibility of a recurrence of such a catastrophe as occurred on Charles street, during the past year, and which in all probability, would have been averted, had this truck company been in service, affords an unanswerable argument, and at the same time forms a most imperative demand, for this truck company being placed in service at the earliest possible moment.

The Board of Fire Commissioners will come before your honorable body, at an early date, with special ordinances covering the requirements of the department, as above specified, which we trust will receive your unqualified endorsement and support.

FIRE-ALARM BOXES.

As are the nerves to the human body, so is the fire-alarm system to the department, viz: the medium through which all information and intelligence is conveyed.

One moment of time at the commencement of a fire may be worth hours, after it has gained headway.

The great desideratum is prompt notification. In order to this, it is absolutely necessary that fire-alarm boxes should at all times be within easy access. In the central section of the city, there should be a fire-alarm box to each square, so that when a fire is discovered, valuable time may not be wasted in attempting to locate a box. In no section of the city should more than three squares intervene between boxes.

Our deficiency in this respect can be no more strikingly set forth than by stating that in some sections of the city, from ten to twelve squares intervene between boxes, and that in the more central portions we have not one-third the complement necessary.

In our estimate covering the requirements of the department for the current year, we have asked for \$13,750, with which to erect eighty-five additional fire-alarm boxes. These boxes are absolutely necessary, in order that the city may have, not ample, but simply meagre protection.

Chicago has been through the fire. She now appreciates the extreme importance of fire protection. With a population of little more than three times that of Baltimore, she has seven times as many fire-alarm boxes. We do not wish to learn the lesson in the same hard school of experience.

WATER MAINS AND PLUGS.

The attention of your honorable body is most respectfully called to the existing needs of the department in the matter of larger mains and greater supply of plugs.

The Water Board has performed most admirable service during the past year in increasing the number of plugs, and to some extent, the size of the mains, but despite their best endeavors, the fact remains that the water supply falls far short of the requirements of the department service.

The mains in some of the important business districts, are so small that not more than two or three engines can draw water from plugs connected with the same main—they exhaust its supply—the other engines must either seek plugs connected with a different main or go out of service. The importance of a generous supply of water, when face to face with a conflagration, is obvious to all.

In two or more instances during the past year, the department has been very seriously hampered at large fires because of the entire absence of plugs in the vicinity of such fires; notably the Bonded Warehouse at Locust Point, and the Chesapeake Guano Plant, at the foot of Covington street. Had it not been for the assistance rendered by the fire-boat *Cataract*, the loss in each case would have been total, the steam fire engines being unable to get into service owing to the absence of plugs and the nature of the water front.

In the eastern section of the city, while new plugs have been put down, the size of the mains has not been increased, and in many instances there is not sufficient pressure to cause the water to flow from the plugs. In the absence of water, additional plugs are of but small value.

OVERHEAD WIRES.

The attention of your honorable body is most respectfully asked to that portion of the report of the Chief Engineer in which he calls the attention of the Board to the constantly increasing danger, both to life and property, from overhead wires, and his recommendations have the hearty approval of this Board.

This is a subject, the importance of which cannot be over-estimated, and with which your honorable body is perfectly familiar. Its consummation must, in the nature of the case, eventually be brought about, and it is to be hoped that the ordinances, with this end in view, at present pending before you, will receive at your hands early and favorable consideration.

TWELVE-MEN COMPANIES.

Of the twenty engine and seven truck companies of the department, but nine engine and five truck companies have a full complement of twelve men each. The requirements of the service demand twelve men, in order to have a full working company at all hours, when the men are at their meals or on their holidays.

The seven chemical companies are composed of but three men each, and the three annex truck companies of but one man each. Both the chemical and truck companies should be increased to a complement of four men each. With this increased number, but two men with each company would be on duty during meal hours and on holidays.

This Board will come before your honorable body at an early date with an ordinance to increase the complement of all engine and truck companies to twelve men each, and of all chemical and annex truck companies to four men each.

PROBATIONARY FIREMEN.

The department has been very materially strengthened during the year by the addition of ten probationary firemen, under authority of an ordinance passed by your honorable body. The benefit arises, not so much from the addition to the working force of the department, as from the fact that we are enabled to have trained and experienced men in readiness, whenever an emergency arises, either to fill vacancies or to form new companies.

One experienced man in an emergency is worth ten men without experience, and with a force of twenty probationary firemen, in constant training, the department can always be kept at the highest standard of efficiency, commensurate with its size. We have, therefore, asked for an appropriation of \$10,000 in our general budget, to cover the salaries of twenty probationary firemen for the current year.

NO. 20 ENGINE COMPANY.

From the report of the Chief Engineer it will be seen that a new engine company, known as No. 20 Engine Company, located on North avenue, near Tenth street, was placed in service during the year. By this addition the department has been markedly strengthened in a section where the need has been long felt. The new building in which this company is quartered was turned over to this department by the Inspector of Buildings on December 20th, and immediately placed in service.

FIRE ESCAPES.

The law compelling the erection of fire escapes, the execution of which is placed in the hands of this Board, has been carried out, so far as we have been able to do so. As many of our companies, however, are short of the full complement of twelve men, and as inspections are made by either captains or lieutenants, our work along this line has not been as far reaching as we could desire.

When all companies are made twelve-men companies, with a full complement of probationary firemen to draw from, we will then be in a position to see that there is full and entire compliance with this important law with reference to the erection of fire escapes.

INSTANTANEOUS FIRE-ALARM COMPANY.

When the present Board of Fire Commissioners entered upon their duties, they found a private corporation using the lines of the department, for profit, without remuneration to the city for facilities furnished.

As the system, in the judgment of the commissioners, did not add to the efficiency of the service, but to the contrary, was a source of constant annoyance and expense, through the sending in of false alarms, the Board, after

careful and mature consideration, decided that the best interests of the service would be subserved by having the magnets of this company removed from the city fire-alarm boxes, and so ordered, which order was carried into effect by the Superintendent of Telegraph.

HORSES, APPARATUS, HARNESS.

The report of the Chief Engineer shows that no effort has been spared to keep the horses of the department up to the highest standard of efficiency. As soon as they are unable to meet the exacting requirements which they are called upon to fill, they are at once replaced by better stock.

During the year the apparatus of the department has been thoroughly overhauled and repaired. It was found, in many instances, to be in very unsafe condition. In fact, so extensive were the repairs which were necessary, that the money set aside to purchase new apparatus could not be availed of for that purpose, but had to be spent largely in repairing and putting in safe condition the apparatus at present in service.

The harness was found to be in the same condition as the apparatus, much of it being very old and beyond possibility of repair. New harness has been purchased and the old harness of the department is now in process of general repair. The cost of so doing has been considerably in excess of the amount estimated for that purpose.

PERSONNEL.

It has been and is the policy of this Board to remove the Fire Department from the realm of politics, and to place it where it properly belongs, viz.: on the basis of merit.

In a position where men are called upon constantly to risk life and limb, and to face death unflinchingly, in the performance of duty, their tenure of official life should not hang by the mere thread of political preferment, liable at any moment to be severed. A competent fireman is the outgrowth and result of years of training and experience on the fire-ground, and he can be graduated from no other school.

In order that men, to whose care are entrusted the lives and the property of this great city, may be inspired to the highest deeds of valor and heroism, it is absolutely essential that they have the assurance that their life and progress in this department depend, not upon the smile or frown of some

walking political delegate, but solely and alone upon their own personal merit and competency.

This assurance has by this Board been given to every member of the department, regardless of religious or political complexion, and the results attained during the past year have been such, as to afford the citizens of Baltimore the opportunity to point with pride to a department, in point of efficiency, second to none in the land.

REPORTS.

With this report is submitted the report of the Chief Engineer, with recommendations; also the report of the Superintendent of Police and Fire-alarm Telegraph, with recommendations, to which the attention of your honorable body is most respectfully invited.

SCHEDULES.

As a part of this report will be found schedules showing receipts and disbursements for the year ending December 31st, 1896.

ESTIMATE FOR 1897.

The estimate of the financial requirements of the department for 1897, is also herewith submitted.

A. ROSZEL CATHCART, <i>Pres't.</i> ,	}	<i>Fire Commissioners.</i>
R. H. GILBERT,		
J. H. McFAUL,		

FIRE DEPARTMENT.

413

ESTIMATE FOR 1897.

Salaries	\$286,300 00
Apparatus	6,000 00
Apparatus repairs	9,000 00
Accident	2,500 00
Feed	15,000 00
Fuel	5,000 00
Furniture	3,000 00
Harness	1,500 00
Horseshoeing	3,500 00
Hose and suction tubes	10,000 00
Horses	7,500 00
Gas	2,000 00
Oils, paints and store-room account	4,500 00
Office expenses	1,500 00
Rent	600 00
Rent of telephones	1,000 00
Miscellaneous	2,500 00
Washing	2,600 00
Insurance of members	2,271 50
Sick	1,500 00
Salaries for ex-members	10,000 00
Police and Fire-alarm Telegraph	32,000 00
75 fire-alarm boxes	12,500 00
	<hr/>
	\$422,271 50

ESTIMATE FOR 1897—ANNEX.

Salaries	\$32,700 00
Apparatus	500 00
Apparatus repairs	1,000 00
Accident	200 00
Feed	3,000 00
Fuel	800 00
Furniture	300 00
Harness	500 00
Horseshoeing	700 00
Hose	500 00
Horses	2,500 00
Gas	350 00
Oils, paints and store-room account	750 00
Rent of telephones	35 00
Miscellaneous	300 00
Washing	300 00
Insurance of members	283 20
Sick	150 00
Police and Fire-alarm Telegraph	1,000 00
10 fire-alarm boxes	1,250 00
	<hr/>
	\$47,118 20
Appropriation for No. 20 Engine Company, Ordinance No. 11, dated December 15, 1896	24,650 00
	<hr/>
	\$71,768 00

APPROPRIATIONS.

Amount appropriated by the Mayor and City Council out of general levy for 1896.....	\$368,566 43
Amount appropriated by the Mayor and City Council, "special".....	\$5,223 94
Amount used out of special appropriation.....	3,930 66
	<hr/>
Amount drawn from the City Comptroller.....	\$372,497 09
	<hr/>

SPECIAL APPROPRIATIONS.

Amount appropriated for probationary firemen.....	\$2,726 42
Amount drawn from City Comptroller.....	2,726 42
	<hr/>
Amount appropriated for ex-member W. H. Dunn.....	\$250 00
Amount drawn from City Comptroller.....	250 00
	<hr/>
Amount appropriated for ex-member G. W. Little.....	\$108 88
Amount drawn from City Comptroller.....	108 88
	<hr/>
Amount appropriated for 22 ex-members.....	\$2,138 64
Amount drawn from City Comptroller.....	2,138 64
	<hr/>

GENERAL STATEMENT.

Amount drawn from City Comptroller, account "general appropriation".....	\$368,566 43
Amount drawn from City Comptroller, account "special appropriation" from Annex account.....	1,174 66
Amount drawn from City Comptroller, account "special appropriation".....	2,756 00
Amount received from sale of manure and old materials.....	556 19
	<hr/>
	\$373,053 28
Expenditures, account department.....	\$372,497 09
Amount paid to City Register.....	556 19
	<hr/>
	\$373,053 28
	<hr/>

EXPENDITURES- ITEMIZED.

Salaries.....		\$275,800 00
Apparatus	\$ 488 00	
Apparatus repairs.....	9,279 67	
Accident.....	1,777 40	
Feed	10,870 86	
Fuel	4,358 07	
Furniture.....	2,473 33	
Harness	1,651 74	
Horseshoeing.....	2,844 73	
Hose and suction tubes.....	8,660 14	
Horses	6,039 00	
Gas.....	1,990 87	
Store-room, oils, paints, etc.....	3,238 61	
Office expenses	1,334 99	
Rent.....	500 00	
Rent of telephones.....	647 92	
Miscellaneous	2,430 84	
Washing.....	2,519 88	
Insurance of members.....	1,998 10	
Salaries of ex-members.....	8,815 29	
Sick	675 03	
Police and Fire-alarm Telegraph	21,201 20	
Fire-alarm box.....	175 00	
Probationary firemen.....	2,726 42	
		<hr/>
		\$96,697 09
		<hr/>
Amount paid to City Register.....		\$372,497 09
		556 19
		<hr/>
		\$373,053 28
		<hr/>

COMPANY EXPENDITURES.

No. 1	Engine Company	\$11,524 78	
" 2	" "	12,855 87	
" 3	" "	12,344 78	
" 4	" "	12,736 01	
" 5	" "	11,342 50	
" 6	" "	12,526 22	
" 7	" "	12,072 04	
" 8	" "	12,398 31	
" 9	" "	11,807 83	
" 10	" "	11,363 98	
" 11	" "	12,001 03	
" 12	" "	11,485 91	
" 13	" "	12,473 84	
" 14	" "	11,115 85	
" 15	" "	23,230 32	
" 16	" "	13,618 15	
" 17	" "	11,664 05	
" 19	" "	12,329 20	
" 1	Hook and Ladder Company	10,928 62	
" 2	" " " "	12,148 18	
" 3	" " " "	11,456 21	
" 4	" " " "	12,134 31	
" 5	" " " "	12,795 81	
" 6	" " " "	11,778 43	
" 10	" " " "	12,703 43	
		<hr/>	\$312,835 66
Officers' salaries and expenses			20,428 76
Office expenses			1,210 96
Salaries of ex-members			8,815 29
Police and Fire-alarm Telegraph			21,256 15
Reserve			632 44
Probationary firemen			2,731 42
Miscellaneous			1,896 02
Store room			2,690 39
			<hr/>
			\$372,497 09
Amount paid to City Register			556 19
			<hr/>
			\$373,053 28

FINANCIAL STATEMENT OF THE FIRE DEPARTMENT FOR TWELVE MONTHS ENDING DEC. 31, 1896.

Dr.		Cr.	
Jan., drawn from City Comptroller..	\$30,133 12	Jan., expenditures	\$30,133 12
Feb., " " "	28,305 82	Feb., " " "	28,305 82
Mar., " " "	29,278 81	Mar., " " "	29,278 81
Apr., " " "	30,928 36	Apr., " " "	30,928 36
May, " " "	30,789 44	May, " " "	30,789 44
June, " " "	29,562 04	June, " " "	29,562 04
July, " " "	29,530 16	July, " " "	29,530 16
Aug., " " "	29,489 30	Aug., " " "	29,489 30
Sept., " " "	28,512 30	Sept., " " "	28,512 30
Oct., " " "	37,747 42	Oct., " " "	37,747 42
Nov., " " "	32,424 57	Nov., " " "	32,424 57
Dec., " " "	35,795 75	Dec., " " "	35,795 75
Manure and old material	\$372,497 09	Amount paid to City Register	\$372,497 09
	556 19		556 19
	<u>\$373,053 28</u>		<u>\$373,053 28</u>

APPROPRIATION—ANNEX.

Amount appropriated by the Mayor and City Council out of general levy for 1896.....	\$45,292 20
Amount drawn from City Comptroller	45,292 20

GENERAL STATEMENT—ANNEX.

Receipts from all sources	\$45,292 20
Expenditures	\$44,117 54
Amount transferred to "special appropriation".....	1,174 66
	<hr/> \$45,292 20

EXPENDITURES—ITEMIZED—ANNEX.

Salaries.....	\$32,700 00
Apparatus	8 34 00
Apparatus repairs	528 86
Feed	2,438 83
Fuel	477 32
Furniture.....	209 67
Harness	931 90
Horseshoeing	572 00
Hose and suction tubes	348 45
Horses.....	2,324 00
Gas	260 36
Store-room, oils, paints, etc.....	603 33
Rent	450 00
Rent of telephones	83 34
Miscellaneous.....	925 79
Washing.....	264 00
Insurance of members	243 80
Sick	13 00
Police and Fire-alarm Telegraph	120 49
	<hr/> 10,829 14
	<hr/> \$43,529 14
Deficiency, 1895.....	588 41
Amount transferred to "special appropriation"	1,174 66
	<hr/> \$45,292 20

COMPANY EXPENDITURES—ANNEX.

No. 1 Chemical Company	\$ 3,365 65	
No. 2 " "	3,138 60	
No. 3 " "	3,338 67	
No. 4 " "	4,420 85	
No. 5 " "	3,366 56	
No. 6 " "	3,485 64	
No. 7 " "	4,761 62	
No. 18 Engine Company	12,477 98	
No. 7 Hook and Ladder Company	844 10	
No. 8 " "	844 12	
No. 9 " "	961 75	
	<hr/>	\$41,005 54
Officers' salary and expenses		2,033 99
Police and Fire-alarm Telegraph		24 61
Reserve.....		40 90
Store-room.....		424 10
		<hr/>
		\$43,529 14
Deficiency, 1895		588 40
Amount transferred to "special appropriation"		1,174 66
		<hr/>
		\$45,292 20

FINANCIAL STATEMENT OF THE FIRE DEPARTMENT, ANNEX, FOR TWELVE MONTHS ENDING
DECEMBER 31, 1896.

Dr.		Cr.	
Jan., drawn from City Comptroller.,	\$3,352 21	Jan., expenditures,	\$3,352 21
Feb., " " "	3,181 25	Feb., " " "	3,181 25
Mar., " " "	3,516 45	Mar., " " "	3,516 45
Apr., " " "	3,187 21	Apr., " " "	3,187 21
May, " " "	3,196 99	May, " " "	3,196 99
June, " " "	3,721 06	June, " " "	3,721 06
July, " " "	3,163 49	July, " " "	3,163 49
Aug., " " "	3,166 14	Aug., " " "	3,166 14
Sept., " " "	3,092 06	Sept., " " "	3,092 06
Oct., " " "	3,137 90	Oct., " " "	3,137 90
Nov., " " "	3,498 64	Nov., " " "	3,498 64
Dec., " " "	7,315 14	Dec., " " "	7,315 14
Deficiency, 1895	\$43,529 14	Deficiency, 1895	\$43,529 14
Special appropriation	588 40	Am't. transferred to "special appropriation"	588 40
	1,174 66		1,174 66
	<u>\$45,292 20</u>		<u>\$45,292 20</u>

RECAPITULATION.

ACCOUNT.	APPROPRIA- TIONS.	NET APPROPRIATIONS.	EXPENDITURES.
City Department.....		\$368,566 43	\$372,497 09
City Department, special.....		2,756 00	.....
City Department, special, transferred from Annex.....		1,174 66	.....
Annex Department.....	\$45,292 20	\$372,497 09	\$372,497 09
Less amount transferred to "special appropria- tion".....	1,174 66		
		44,117 54	44,117 54
		\$416,614 63	\$416,614 63
Old material		556 19	556 19
		\$417,170 82	\$417,170 82



REPORT
OF THE
CHIEF ENGINEER.

REPORT.

BALTIMORE CITY FIRE DEPARTMENT,
OFFICE OF CHIEF ENGINEER—CITY HALL,
BALTIMORE, January 1st, 1897.

To the Honorable Board of Fire Commissioners.

GENTLEMEN: I respectfully submit herewith my first annual report, it being the thirty-eighth annual report of the paid Fire Department of this city.

FIRES.

During the year 1896, the department was called upon to respond to 720 alarms, received from street and automatic boxes, and 265 silent alarms, received verbally and by telephone, making a total of 985 alarms, an increase over the year 1895, of 101 box alarms, and 68 silent alarms, or a total increase of 169 alarms. There were during the year, 17 second alarms, 3 third alarms, and 1 general alarm.

An examination of the schedule of "fires and losses," accompanying this report, will show that there were but thirteen fires, at which the loss exceeded five thousand dollars, and that the total loss for the year was considerably less than that for the preceding year.

The Table of Comparative Fire Department Statistics, which will be found on another page, shows that other cities, much smaller in area and population than Baltimore, have much larger fire departments.

APPARATUS.

The apparatus of the department is in excellent condition, special attention having been paid to this all important arm of the service, and no expense has been spared to keep the same at the highest possible standard of efficiency.

Repairs were made when necessary and improvements added from time to time, whenever such improvements sug-

gested themselves, which have largely increased the efficiency and safety of the apparatus.

Two of the trucks were practically rebuilt, having been seriously damaged by overturning while responding to alarms of fire.

The Concord wagons, used by the officers, were thoroughly repaired, painted and had brakes added to them.

A new supply wagon was purchased and placed in service, the old one having become unsafe and entirely beyond repair.

A new carriage was purchased for the use of the commissioners, and placed in service, replacing the old one, which was unsafe and not suited to the requirements of the department.

The hose wagons of Engine Companies Nos. 3, 6 and 15 have been altered into combination hose wagon and chemical engine, being equipped with two 30-gallon chemical tanks, with all necessary equipment for chemical service, in addition to the regular equipment for steamer service. The wagons of Engine Companies Nos. 2 and 7 will be altered as soon as possible, in compliance with your order.

The chemical equipment of Engine Company No. 15, has been placed in service with the second section of said company, and the men formerly detailed with chemical section now perform service with the second section of this company, and the horses formerly used in chemical engine have been placed in reserve.

The space occupied by the chemical engine is now occupied by the wagon and horses of the fifth district engineer, whose quarters are located at the above station.

The above change has greatly increased the efficiency of the department, by distributing over a much larger territory the chemical service, the importance of which cannot be overestimated, being quick in action and possessed of great extinguishing qualities, with but little damage from water.

The second section of Engine Company No. 15 has been materially strengthened by the addition of chemical equipment formerly used by first section and the services of the three men formerly detailed with the chemical engine.

HORSES.

The horses have been carefully looked after, and are at present in good condition, with but few exceptions.

There are now in service and in reserve 169 horses, 48 having been purchased during the year to replace those condemned as being unfit for service from various causes, and three that died from sickness.

Two veterinary surgeons are employed to make periodical visits to the houses of the department for the purpose of examining the horses and treating them when necessary.

NEW COMPANY.

The department has been greatly strengthened by the recent organization and equipment, on December 21st, 1896, of Engine Company No. 20, located on West North avenue, near Tenth street.

This company is located in a densely populated and rapidly developing section of the city, and while the opportunity has not as yet been afforded to demonstrate its importance and usefulness, the large number of fires which have occurred in this locality, which is quite remote from any engine or truck house, together with the character of buildings in this district, show plainly the necessity for its organization.

The company is at present equipped with reserve apparatus, as it will take from three to four months to build the apparatus intended for permanent service.

NEW MEMBERS.

On May 29th, 1896, the ten probationary firemen appointed by the Board, were assigned to duty with various companies, and their services have added greatly to the strength of the department.

NEW FIRE-PLUGS.

During the year 161 new fire-plugs were placed in service, making the total number now in service 1,745.

The number of fire-plugs should be largely increased, as we are very much behind what is really necessary in this respect.

It is extremely gratifying to know that the Water Department is making great effort to rapidly increase the number of plugs and improve the service to same, by laying new mains and increasing the size of mains, now in service, which are inadequate.

OVERHEAD WIRES.

I desire to call the attention of the Board to the constantly increasing danger from overhead wires, and to request that you will take such action as will impress upon the Mayor and City Council, the importance of having all overhead wires buried as soon as possible.

With the present system of overhead wiring, the fire-alarm telegraph is liable to be disabled or rendered useless through the crossing of one of its wires with a wire carrying a heavy current, this having occurred on several occasions during the past year.

The work of the department is also greatly obstructed at fires by the overhead wires, which delay the truck companies while placing ladders in position, and at times make it impossible to place ladders in service.

The danger to the lives of members of the department and others whose duties compel them to work in or near burning buildings, is obvious to the most casual observer, and for this, if for no other reason, should the matter receive most careful consideration.

RECOMMENDATIONS.

An engine company should be placed in service in the vicinity of Caroline and Lancaster streets. This is a section of the city in which are located large lumber yards, mills, factories, etc., and is greatly in need of such a company.

An engine company should be placed in service in the vicinity of Chesapeake and Hudson streets. This section of the city is some distance from an engine or truck house, Engine Company No. 11, located at Patterson Park and Eastern avenues, being the nearest, which is too far distant to render efficient service in this locality.

An engine company should be placed in service in the vicinity of Pratt and Carey streets. This company would afford much protection to the southwestern section of the city, which is being built up very rapidly.

A truck company should be placed in service on North avenue, near the west approach to the North avenue bridge. The organization and equipment of this company is of the utmost importance, for the reason that this section of the city, which lies between Truck No. 4, Biddle street, near Druid Hill avenue, and Truck No. 5, Aisquith, near Hoff-

man street, is too far removed from either of the above-named companies to receive the proper amount of protection, afforded by a truck company in case of fire.

An engine company should be placed in service at Hampden as soon as the new quarters are built, and the men now composing Chemical Engine Company No. 7 transferred to Hook and Ladder No. 9, which has but one member, who is the driver.

A new building should be erected on the lot at Waverly, now occupied by Chemical Engine Company No. 4, and Hook and Ladder Company No. 7, as quarters for a steamer and truck company, and an engine company placed in service there as soon as possible.

Chemical Engine Company No. 4 should be abolished and the men now forming this company transferred to No. 7 Hook and Ladder Company.

This section of the city is well supplied with fire-plugs, and is much in need of a steamer company. The addition of the men forming the chemical company to No. 7 Hook and Ladder Company would also enable the truck company to perform more efficient service on the fire-ground.

The companies now having eleven men should be brought up to the standard complement of twelve men, by the appointment of one member to each of these companies.

Ten additional probationary firemen should be appointed, which would make the total number of probationers twenty. This would enable us to abolish the present system of substitutes, which is unsatisfactory in every particular, as we would then have a force of uniformed men, drilled and experienced in fire service, from which to make promotions to the regular force.

There should be erected as soon as possible not less than seventy-five fire-alarm boxes, the location of same to be determined by this department. This is a matter of great importance, as there are not at present, sufficient fire-alarm boxes to admit of the prompt transmission of an alarm, owing to the distance persons are compelled to go before finding a fire-alarm box.

There should be appointed three new members to each of Hook and Ladder Companies No. 7 and No. 8, as these companies have but one member, who is the driver, and who cannot render any service on the fire-ground, being compelled to remain with the horses or leave them in charge of some irresponsible person.

One member should be added to each of the following companies: Chemical Engine Companies No. 1, No. 2, No. 3, No. 4, No. 5 and No. 6. These companies have but three members including the captain. During meal hours, and on the holidays of members there are but two men with the company, which number is not sufficient to perform efficient service on the fire-ground.

The above recommendations are, in my opinion, absolutely necessary, and should be consummated as soon as possible, for in the event of two or more large fires occurring at the same time, the city could not at present be properly protected.

The department is in good condition, but entirely too small, and if the recommendations above made are carried into effect, it would only place the department in a fair condition as to size and equipment.

I would recommend that proper legislation be enacted to compel the erection in every theater, concert hall, or other buildings of like character, to be designated by this department, a fire-alarm box, same to be connected to the fire-alarm telegraph.

Also, to have placed in said buildings such stand-pipes, hose, extinguishers, axes, etc., for the extinguishment of fire, as may be directed by this department.

A detail of two uniformed firemen should be made at each performance or gathering, whose duty it would be to examine the fire equipment, send in test signal from fire-alarm box, and keep a careful watch for fire.

The blocking of aisles by persons standing in same should also be prohibited.

I would also recommend that all hotels, boarding-houses, lodging-houses, apartment-houses, or other places of like description, be compelled to place in each room, such portable fire-escapes as may be approved by this department, in addition to the fire escapes already provided by law.

I desire to call your attention to the large number of fires occurring each year from the careless use of gasoline and coal oil, and would recommend that an ordinance be passed that will better protect those who are compelled through circumstances to use either of the above-named articles.

I also wish to call your attention to, and request that you will place the matter before the proper authorities, the importance of having placed in each of the public schools a

fire-alarm box, to be connected to the fire-alarm telegraph, in order that in case of fire in these buildings, the alarm may be transmitted to the department without delay. A fire drill, to be practiced at *irregular* intervals, should be introduced in the public schools, as the children accustomed to hearing the fire-call at these times would, in case of fire, be less inclined to become frightened or panic-stricken. The department would, with your approval, be glad to render any assistance along this line to those having the matter in charge.

FIRE-ESCAPES.

The law governing the erection of fire-escapes is being vigorously enforced, and a large number of escapes were erected during the past year as the result of notices sent to owners of property, by this department. The inspections are made by the captains of the department, and all buildings found in violation of the law are reported, and the owner or owners notified to comply at once.

APPARATUS IN SERVICE.

The following is a list of the apparatus now in service, all of which is in the best possible condition : 19 steam fire engines, 8 chemical engines, 7 Hayes' aerial trucks, 3 bank ladder trucks, 16 hose wagons, 3 combination wagons (chemical engine and hose wagon), 18 hose carriages, 61 fire-extinguishers, 1 fire-boat, 1 water-tower, 7 Concord wagons (officers), 1 supply wagon, 1 wagon used by superintendent of machinery, 3 wagons for linemen, 1 large wagon used by telegraph department, and 3 carriages for use of Commissioners and Superintendent of Police and Fire-alarm Telegraph.

RESERVE APPARATUS.

The following apparatus, in good condition, is in reserve : 5 steam fire-engines, 2 Hayes' aerial trucks, 1 bank ladder truck, 4 Concord wagons, 4 fire extinguishers, and 3 hose carriages.

APPARATUS REQUIRED.

It will be necessary to purchase during the present year the following apparatus : 1 second size Hayes' aerial truck, to be placed in service with No. 4 Truck Company, and the

truck now used by this company would then be placed in reserve. The third size Hayes' truck now in reserve, which is entirely too small for service in the central section of the city, could be placed in service with No. 9 Truck Company, in the new quarters to be built at Hampden.

A second size steamer should be purchased to take the place of the steamer now in service with No. 5 Engine Company. This steamer is entirely too small for service in the section of the city covered by this company, and will be placed in reserve, and one of the older reserve steamers given in part payment for the new one.

The work of altering the hose wagons into combination chemical engine and hose wagon should be continued, as I consider them a valuable addition to the equipment of the department.

DEATHS.

During the year there were three deaths in the department :

Ladderman John Gill, No. 4 Hook and Ladder Company, died on January 21st, 1896, of heart disease. He had been a member of the department thirty-five years.

James Kelly, an ex-member, formerly captain of No. 4 Hook and Ladder Company, specially employed by act of Council, died on December 23d, 1896, of consumption.

Frank B. Hart, an ex-member, formerly hostler of No. 7 Engine Company, specially employed by act of Council, died on October 13th, 1896, of general debility.

CHANGES.

During the year the following changes were made in the personnel of the department :

Deaths, 3; resignations, 4; dropped, 31; appointments, 48; transfers, 126; promotions, 66.

CHANGE OF QUARTERS.

On November 28, 1896, Chemical Engine Company No. 7 and Hook and Ladder Company No. 9 moved into the temporary quarters erected at the northwest corner of Roland avenue and Oliver Place. This change was an absolute necessity, as the old quarters, which were rented, were in an unhealthy and untenable condition, and the owner of aforesaid quarters would not make the necessary repairs.

QUARTERS.

The buildings occupied by the department are in fair condition; a number of them require considerable repairs, which matter will be brought to the attention of the Inspector of Buildings.

During the year 1896 repairs were made by the Inspector of Buildings, when requested to do so, to the limit of the funds for that purpose, at his command.

Annexed to this report are tabulated statements of fires, losses, causes, etc.

In conclusion, I desire to express to the Board, as well as to the officers and members of the department, my sincere thanks for the uniform kindness and courtesy extended to me at all times, as well as for their earnest effort under all circumstances to promote the efficiency of the service.

I also wish to thank the Police Department for assistance rendered on the fire-ground, the officers and crews of the police-boat *Lannan* being worthy of special mention in this regard.

To the officers and members of the Salvage Corps, I wish to express thanks for their hearty co-operation on the fire-ground, as well as for much valuable information furnished this department.

Respectfully submitted,

WILLIAM C. McAFEE,
Chief Engineer.

COMPARATIVE FIRE DEPARTMENT STATISTICS.

CITY.	Area Sq. Miles.	Population.	Engine Companies.	Hook and Ladder Companies.	Chemical Engine Companies.	Water Towers.	Fire-boats.	Members.	Fire-plugs.	Status as to Population.	Status as to Fire Department.
New York	64	2,000,000	64	22	4	3	3	1,175	10,569	1	1
Chicago	187	1,750,000	181	26	20	2	4	1,131	17,000	2	1
Philadelphia	129 $\frac{1}{2}$	1,188,800	46	6	8	1	1	743	10,038	3	4
Brooklyn	76	1,140,000	49	24	1	1	2	855	7,500	4	3
St. Louis	62 $\frac{1}{2}$	625,000	35	11	1	2	.....	469	3,250	3	9
Boston	37	500,000	43	17	12	1	2	744	7,220	7	5
Baltimore	33	540,298	20	7	10	1	1	362	1,827	9	13
Cincinnati	36 $\frac{1}{2}$	355,000	27	10	6	1	.....	323	2,446	9	8
San Francisco	40	310,000	25	13	3	1	.....	644	2,344	10	10
Buffalo	42	375,000	28	7	2	1	2	406	4,000	8	7
Milwaukee	21 $\frac{1}{2}$	276,000	19	6	7	1	2	315	2,065	13	15
Pittsburg	28	284,000	26	7	2	.....	.....	311	1,973	12	9
Detroit	32	275,000	21	6	3	1	1	381	2,970	14	12
New Orleans	38	300,000	26	7	10	1	.....	300	1,300	11	11
Minneapolis	53	210,000	20	9	6	1	.....	316	3,000	15	14
Louisville	13 $\frac{1}{2}$	185,000	14	6	.....	.....	.....	162	760	16	17
St. Paul	56	150,000	13	7	4	1	.....	192	2,232	17	16

ENGINES.	BUILT BY	WHEN BUILT.	REBUILT BY	WHEN REBUILT	CYLIN- DERS.		PUMPS.		BOIL- ERS.	GALLONS PER MINUTE.		WEIGHT AS DRAWN TO PIERS	STYLE OF ENGINE.
					Size.	Di- am.	Stroke.	Di- am.	Stroke.	Di- am.	Height.		
No. 1	La France Co.	1893			2d	8 $\frac{1}{2}$	8	4 $\frac{1}{2}$	8	33	62	750	Vertical, crane-neck, piston double.
"	2 La France Co.	1889			1st	8 $\frac{1}{2}$	8	5	8	36	60	900	"
"	3 Ives & Bro.	1874	La France Co.	1892	1st	8 $\frac{1}{2}$	10	5	10	38	64	1,000	"
"	4 La France Co.	1892			1st	8 $\frac{1}{2}$	9	5	9	36	60	900	"
"	5 Clapp & Jones.	1885			3d	6 $\frac{1}{2}$	7	3 $\frac{1}{2}$	7	32	60	500	Horizontal, half crane-neck, piston double.
"	6 La France Co.	1890			2d	8 $\frac{1}{2}$	8	4 $\frac{1}{2}$	8	32	60	700	Vertical, crane-neck, piston double.
"	7 La France Co.	1891			3d	7 $\frac{3}{4}$	8	4 $\frac{1}{2}$	8	30	60	600	"
"	8 La France Co.	1888			3d	8 $\frac{1}{2}$	6	4 $\frac{1}{2}$	6	30	60	600	"
"	9 La France Co.	1886			2d	7 $\frac{3}{4}$	8	4 $\frac{1}{2}$	8	32	60	700	"
"	10 Clapp & Jones.	1886			2d	7 $\frac{1}{2}$	7	4 $\frac{1}{2}$	7	32	60	700	"
"	11 La France Co.	1889			2d	8 $\frac{1}{2}$	8	4 $\frac{1}{2}$	8	34	60	750	"
"	12 La France Co.	1894			2d	8 $\frac{1}{2}$	8	4 $\frac{1}{2}$	8	33	62	750	"
"	13 Silsby Manufacturing Co.	1887			2d	Rotary pump.	34	60	600	6,700	Rotary.	600	"
"	14 Clapp & Jones.	1888			3d	7	7	4 $\frac{1}{2}$	7	32	60	600	Vertical.
"	15 Clapp & Jones.	1891			1st	9 $\frac{1}{2}$	8	5 $\frac{1}{2}$	8	38	62	1,000	"
* 16	Hull—Bruslar Bros. Pump—Thos. Manning. Engine—E. J. Codd Co.	1891				16	10	9	10			4,400	Double vertical pumps.
"	17 La France Co.	1895			2d	8 $\frac{1}{2}$	8	4 $\frac{1}{2}$	8	33	62	750	Vertical, crane-neck, piston double.
"	18 La France Co.	1893			3d	7 $\frac{3}{4}$	8	4 $\frac{1}{2}$	8	32	60	600	Double vertical, crane-neck, piston.
"	19 La France Co.	1895			3d	7 $\frac{3}{4}$	8	4 $\frac{1}{2}$	8	32	60	600	"
"	20 (To be purchased.)												
† A	Ives Bros.	1872	La France Co.	1885	3d	10	12	5 $\frac{1}{2}$	12	34	62	500	Single horizontal, straight frame.
† B	Poole & Hunt.	1860	Clapp & Jones	1884	3d	10	12	5	12	32	60	400	"
† C	Ives Bros.	1876			3d	10	12	5	12	30	62	400	Single horizontal.
† D	Ives Bros.	1874	Clapp & Jones	1884	3d	7	7	3 $\frac{1}{2}$	7	32	60	500	Double
† E	Ives Bros.	1877			3d	10	12	5	12	32	60	400	Single
† F	Ives Bros.	1875	La France Co.	1883	1st	8	10	4 $\frac{1}{2}$	10	38	62	900	Double vertical, crane-neck, piston.

* Fire-boat.

† Reserve.

HOSE.

ENGINE COMPANIES.		New Hose Received.	New Hose Required.	Fabric Hose in Service.	Gum Hose in Service.	Fabric Hose Condemned.	Gum Hose Condemned.
No.		Feet.	Feet.	Feet.	Feet.	Feet.	Feet.
1.....		500	500	3,700	50	250	50
2.....		600	.....	4,250	.....	1,100	.....
3.....		500	500	3,700	.....	650	.....
4.....		600	500	3,850	.....	450	.....
5.....		500	500	2,950	50	500	50
6.....		500	500	3,150	.....	400	.....
7.....		600	600	3,600	.....	600	.....
8.....		1,000	500	3,400	.....	200	.....
9.....		300	500	3,500	.....	450	.....
10.....		500	1,000	3,100	.....	600	.....
11.....		500	500	1,300	1,950	250	.....
12.....		500	800	.....	3,555	.....	50
13.....		500	500	4,000	.....	400	.....
14.....		300	.....	3,500	.....	350	.....
15.....		1,000	500	4,200	.....	750	.....
16.....		500	300	1,450	500	150	.....
17.....		.....	600	.....	3,000	.....	.....
18.....		.....	300	3,750	.....	50	.....
19.....		500	.....	3,500	.....	.....	.....
20.....		.....	.....	.....	.....	.....	.....
		9,400	8,600	56,900	9,100	7,150	150

HOSE—CHEMICAL ENGINE.

				New Hose Received.	New Hose Required.	Hose in Service.	Hose Condemned.
				Feet.	Feet.	Feet.	Feet.
No. 1	Chemical Engine Company	.....	.....	200	.....	300	100
2	"	"	"	100	100	300	.....
3	"	"	"	100	100	250	.....
4	"	"	"	450	.....	650	.....
5	"	"	"	200	100	500	.....
6	"	"	"	300	200	400	50
7	"	"	"	150	150	250	.....
Three reserve engines				.....	.....	800	.....
No. 3 combination wagon				.....	.....	200	.....
6	"	"	.....	.....	.....	200	.....
15	"	"	.....	.....	.....	200	.....
				1,500	650	4,050	150

MANUAL FORCE OF THE DEPARTMENT.

OFFICERS.

Chief Engineer.....	1
District Engineers.....	6
Superintendent of Machinery	1

8

ENGINE COMPANIES.

No. 1 Engine Company	11
" 2 " "	12
" 3 " "	11
" 4 " "	12
" 5 " "	11
" 6 " "	12
" 7 " "	11
" 8 " "	11
" 9 " "	11
" 10 " "	11
" 11 " "	11
" 12 " "	11
" 13 " "	11
" 14 " "	11
" 15 " "	20
" 16 " "	12
" 17 " "	12
" 18 " "	12
" 19 " "	12
" 20 " "	12

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CHEMICAL ENGINE COMPANIES.

No. 1 Chemical Engine Company	3
" 2 " " " "	3
" 3 " " " "	3
" 4 " " " "	3
" 5 " " " "	3
" 6 " " " "	3
" 7 " " " "	4

22

HOOK AND LADDER COMPANIES.

No. 1 Hook and Ladder Company	11
" 2 " " " "	11
" 3 " " " "	12
" 4 " " " "	12
" 5 " " " "	12
" 6 " " " "	12
" 7 " " " "	1
" 8 " " " "	1
" 9 " " " "	1
" 10 " " " "	12

85

Probationary firemen.....	10
Disabled members specially employed.....	21

Total membership of the department.....	383
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SALARIES OF OFFICERS AND MEMBERS.

	<i>Per Annum.</i>
1 Chief of Department	\$2,000 00
6 District Engineers, each.....	1,400 00
1 Superintendent of Machinery.....	1,400 00
27 Captains of engine and hook and ladder companies, each	1,100 00
28 Lieutenants of engine and hook and ladder com- panies, each.....	1,000 00
20 Enginemen, each.....	1,100 00
22 Assistant enginemen, each	900 00
14 Tillermen of hook and ladder companies, each.....	900 00
26 Hostlers of hook and ladder and engine companies, each.....	900 00
7 Captains of chemical engine companies, each.....	900 00
10 Hostlers of chemical engine and Annex hook and ladder companies, each.....	800 00
138 Pipemen, each	800 00
47 Laddermen, each.....	800 00
2 Pilots on fire-boat, each.....	1,000 00
3 Stokers on fire-boat, each	800 00
10 Probationary firemen, each	500 00
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Total. 362 Officers and Members.	
21 Members retired and specially employed, each	400 00

NUMBER OF BOXES TO WHICH COMPANIES RESPOND.

COMPANIES.					First Alarm.	Second Alarm.	Third Alarm.	Total.
No.	1	Engine Company			58	159	60	277
"	2	"	"	"	79	62	96	237
"	3	"	"	"	67	78	45	190
"	4	"	"	"	73	109	86	268
"	5	"	"	"	70	32	46	148
"	6	"	"	"	69	110	53	232
"	7	"	"	"	78	132	83	293
"	8	"	"	"	90	58	62	210
"	9	"	"	"	99	33	15	147
"	10	"	"	"	62	92	66	220
"	11	"	"	"	49	24	10	83
"	12	"	"	"	34	20	28	82
"	13	"	"	"	68	55	46	169
"	14	"	"	"	57	17	14	88
"	15	"	"	"	76	123	71	270
"	16	"	"	"	61			61
"	17	"	"	"	20	10	21	51
"	18	"	"	"	56	17	24	97
"	19	"	"	"	37	30	10	77
"	20	"	"	"	17	9	13	39
Water Tower.					31	70	1	102
No.	1	Hook and Ladder Company			58	72	46	176
"	2	"	"	"	65	107	60	232
"	3	"	"	"	74	28	19	121
"	4	"	"	"	56	98	68	222
"	5	"	"	"	60	80	34	174
"	6	"	"	"	52	35	1	88
"	7	"	"	"	16			16
"	8	"	"	"	19	2		21
"	9	"	"	"	11			11
"	10	"	"	"	49	30	15	94
No.	1	Chemical Engine Company			20	14		34
"	2	"	"	"	27	36		63
"	3	"	"	"	42	20		62
"	4	"	"	"	21	13		34
"	5	"	"	"	23	11		34
"	6	"	"	"	20	86	1	107
"	7	"	"	"	10			10

SERVICE OF COMPANIES AT FIRES.

ENGINE COMPANIES.				WORKING TIME.	
				Hours.	Min.
No.	Engine Company.	Responded.	Transferred.	Feet of Hose Laid.	
No. 1	Engine Company.....	144	.....	18,200	134 40
" 2	" ".....	139	.....	25,200	223 50
" 3	" ".....	160	.....	22,900	77 45
" 4	" ".....	172	.....	30,650	155
" 5	" ".....	140	25	12,700	46 50
" 6	" ".....	147	8	24,900	62 10
" 7	" ".....	162	1	29,100	53
" 8	" ".....	190	4	13,900	43
" 9	" ".....	211	20	23,650	93 30
" 10	" ".....	128	7	28,700	75
" 11	" ".....	95	32	12,600	36 5
" 12	" ".....	64	23	14,100	72 40
" 13	" ".....	136	15	11,550	36 40
" 14	" ".....	100	2	11,050	28 21
" 15	" ".....	163	.....	15,300	150 44
" 15	" " (2d section).	5	.....	9,000	5 11
" 16	" ".....	111	.....	4,525	18 5
" 17	" ".....	40	26	7,250	53 10
" 18	" ".....	81	.....	14,350	17 45
" 19	" ".....	62	21	10,650	31 20
" 20	" ".....	.....	.....	.....	.....

SERVICE OF COMPANIES AT FIRES.

HOOK AND LADDER COMPANIES.					Responded.	Transferred.	Ladders Used.	WORKING TIME.	
								Hours.	Min.
No.	1 Hook and Ladder Company.				139	19	223	140	.....
"	2	"	"	"	178	20	231	197	2
"	3	"	"	"	137	16	156	125	50
"	4	"	"	"	119	48	123	179	57
"	5	"	"	"	113	38	151	232	35
"	6	"	"	"	122	7	255	155	.....
"	7	"	"	"	18	....	21	12	34
"	8	"	"	"	34	....	34	31	54
"	9	"	"	"	11	....	14	23	40
"	10	"	"	"	83	54	82	201	46

CHEMICAL ENGINE COMPANIES.					Responded.	Transferred.	Tanks Used.	Hose Laid.	WORKING TIME	
									Hours.	Min.
No. 1 Chemical Engine Company.					31	....	21	3,000	36	31
"	2	"	"	"	54	....	25	3,450	16	10
"	3	"	"	"	49	....	20	2,200	52	50
"	4	"	"	"	25	....	13	2,050	25	36
"	5	"	"	"	22	....	19	3,000	28	46
"	6	"	"	"	37	....	25	2,900	46	20
"	7	"	"	"	10	....	12	1,050	6	.....

SECOND, THIRD AND GENERAL ALARMS OF FIRE DURING 1896.

Box	LOCATION.	DATE.	ALARM.	ALARM.	ALARM.
183	Henderson and Chesapeake streets	January 2	Second		
621	Cross and Covington streets	January 5	Second		
48	Frederick road and Landwehrs lane	January 8		Third	
517	Bayard and Ridgely streets	January 13	Second		
519	Ridgely and Ostend streets	January 14	Second		
248	Holliday and Bath streets	January 30	Second		
15	Eastern Police Station	February 17	Second		
188	Boston and Potomac streets	February 22	Second		
262	Broadway and Gay streets	May 1	Second		
221	Holliday and Saratoga streets	May 17			General
492	Baltimore street and Garrison lane	May 30	Second		
31	Calvert and Saratoga streets	June 9	Second		
338	Mulberry and Paca streets	August 1		Third	
31	Calvert and Pleasant streets	August 15		Third	
624	Sharp and Cross streets	September 4			
639	Andre and Cuba streets	September 10	Second		
245	Maryland Penitentiary	September 23	Second		
437	Pratt and Greene streets	September 27	Second		
221	Saratoga and Holliday streets	October 25	Second		
616	Covington and Donaldson streets	November 21	Second		
418	Lexington and Howard streets	December 27	Second		

TABLE SHOWING THE NUMBER OF FIRES FOR THE HOURS OF
THE DAY DURING 1896.

A.M.		P.M.	
BETWEEN		BETWEEN	
12 and 1 o'clock.....	27	12 and 1 o'clock.....	36
1 " 2 "	26	1 " 2 "	57
2 " 3 "	24	2 " 3 "	43
3 " 4 "	16	3 " 4 "	46
4 " 5 "	16	4 " 5 "	49
5 " 6 "	10	5 " 6 "	73
6 " 7 "	16	6 " 7 "	62
7 " 8 "	15	7 " 8 "	69
8 " 9 "	27	8 " 9 "	82
9 " 10 "	41	9 " 10 "	69
10 " 11 "	53	10 " 11 "	53
11 " 12 "	39	11 " 12 "	36
			<hr/> 985

TABLE SHOWING THE NUMBER OF FIRES FOR EACH DAY OF
THE WEEK IN 1896.

<i>Day.</i>	<i>Number of Fires.</i>
Sunday	118
Monday	153
Tuesday	151
Wednesday	131
Thursday	117
Friday	153
Saturday	162
	<hr/> 985

SUMMARY OF FIRES FOR 1896.

MONTH.	District 1.	District 2.	District 3.	District 4.	District 5.	District 6.	Total Box.	Silents.	City.	Annex.	Total.
January	6	17	5	20	10	9	67	22	81	8	89
February	8	15	13	17	12	4	69	17	73	13	86
March	10	15	10	15	6	4	60	26	79	7	86
April	3	6	8	6	14	8	45	18	55	8	63
May	13	11	2	14	9	1	50	18	61	7	68
June	7	11	7	8	9	3	45	25	62	8	70
July	10	20	6	16	6	9	67	20	83	4	87
August	7	19	3	10	10	8	57	22	72	7	79
September	11	11	1	15	6	8	52	22	68	6	74
October	14	9	4	12	10	6	55	15	65	5	70
November	7	15	2	20	2	10	56	22	69	9	78
December	19	16	8	28	10	16	97	38	120	15	135
	115	165	69	181	104	86	720	265	888	97	985

FIRE LOSSES DURING THE YEAR 1896.

MONTHS.	CITY.		ANNEX.		TOTAL CITY.	TOTAL ANNEX.	TOTAL Loss.
	Box Alarms.		Silents.				
	Box Alarms.	Silents.	Box Alarms.	Silents.			
January.	\$111,113 35	\$698 05	\$17,523 02	.....	\$111,811 40	\$17,523 02	\$129,334 42
February.	33,940 56	278 81	5,482 03	.....	34,219 37	5,482 03	39,701 40
March.	10,563 99	523 75	3,429 13	\$ 70 00	11,087 74	3,499 13	14,586 87
April.	5,279 98	159 35	476 56	109 75	5,439 33	586 31	6,025 64
May.	37,415 56	417 70	3,797 70	.....	37,833 26	3,797 70	41,630 96
June.	9,250 73	357 40	239 80	17 50	9,608 13	257 30	9,865 43
July.	7,670 51	189 13	42 63	55 00	7,859 64	97 63	7,957 27
August.	10,172 46	162 64	702 56	50 00	10,335 10	752 56	11,087 66
September.	33,520 75	462 80	378 45	10 00	33,983 65	388 45	34,372 10
October.	8,106 18	603 10	1,497 45	18 75	8,709 25	1,516 20	10,225 45
November.	3,874 39	376 40	811 08	186 40	4,250 79	997 48	5,248 27
December.	.....	.....	.....	.....	.....	.....	.....
Total.	\$270,908 46	\$4,229 13	\$34,380 41	\$517 40	\$275,137 59	\$34,897 81	\$310,035 40

NUMBER OF FIRES AND LOSSES EACH YEAR SINCE THE
ORGANIZATION OF THE PAID FIRE DEPARTMENT.

<i>Year.</i>	<i>Number of Fires.</i>	<i>Losses.</i>
1859	98	\$ 350,000 00
1860	112	310,000 00
1861	115	60,000 00
1862	130	83,000 00
1863	138	120,482 33
1864	143	163,528 49
1865	163	71,358 00
1866	178	181,115 00
1867	193	293,045 00
1868	145	76,244 75
1869	187	398,259 09
1870	203	432,717 07
1871	226	475,391 00
1872	245	300,000 00
1873	265	892,628 58
1874	384	506,826 15
1875	348	608,351 30
1876	332	563,248 78
1877	420	438,715 57
1878	371	162,312 78
1879	306	192,654 54
1880	343	580,290 09
1881	324	454,773 35
1882	358	330,113 84
1883	399	561,520 00
1884	388	617,871 79
1885	474	441,743 06
1886	430	896,527 12
1887	496	1,162,359 26
1888	602	1,272,478 82
1889	545	477,329 07
1890	594	441,152 65
1891	676	650,009 73
1892	795	839,435 77
1893	829	1,153,129 76
1894	831	542,188 29
1895	816	730,751 11
1896	985	310,035 46

The total loss by fires in 38 years has been \$18,141,587 54

TABLE SHOWING THE DIFFERENT CAUSES OF FIRES
AND ALARMS.

Awning ignited by gasoline.....	1
Back draft from boiler.....	1
Bay rum upset on stove.....	1
Boiling over of can of turpentine.....	1
Boys playing with matches.....	1
Boys smoking in stable.....	1
Box pulled for preceding fire.....	8
Boys playing with fire.....	1
Burning chimney.....	33
Burning rubbish in yard.....	1
Brushes falling on gas stove.....	1
Burning soot falling in cellar.....	1
Bursting of water-back in range.....	1
Carelessness of occupant.....	1
Careless handling of matches.....	2
Careless handling of a lighted candle.....	1
Candle igniting gasoline.....	1
Cigar igniting wookwork.....	1
Children playing with matches.....	24
Child playing with fire.....	2
Clothing ignited from gasoline stove.....	1
Clothing ignited from range.....	1
Coal oil ignited from stove.....	1
Coal oil lamp explosions.....	30
Crossing of alarm wires.....	1
Defective boiler base.....	1
Defective construction of hearth.....	4
Defective construction of chimney.....	1
Defective construction of fire-place.....	1
Defective flue.....	29
Defective oven.....	1
Electric light.....	1
Electric wire.....	26
Explosion of chemicals.....	1
Explosion of can of gasoline.....	4
Explosion of coal-oil stove.....	32
Electric converter.....	6
Explosion of gas.....	2
Explosion of gas meter.....	2
Explosion of gas governor.....	1
Explosion of naphtha.....	1
Explosion of gasoline stove.....	87
False alarms (various causes).....	50
Fire in Baltimore county.....	1
Fire in open hearth.....	1
Fireworks.....	13
Flames from gasoline stove.....	4
Friction of machinery.....	7
Gas-jet igniting curtain.....	19
Gas-jet igniting evergreens.....	2
Gas-jet igniting ceiling.....	1
Gas-jet igniting flowers.....	1

Gas-jet igniting goods.....	1
Gas-jet igniting newspaper.....	1
Gas-jet igniting pan of lard.....	1
Gas-jet igniting woodwork.....	1
Gas-jet igniting mosquito nets.....	2
Gasoline taking fire while filling stove.....	1
Gasoline taking fire while drawing from barrel.....	1
Grease boiling over.....	8
Gas-meter taking fire.....	1
Heat from boiler.....	2
Heat from cupola.....	1
Heat from oil-heating stove.....	4
Heat from furnace.....	1
Heat from gas-stove.....	1
Heat from gasoline stove.....	1
Heat from register.....	2
Hot ashes thrown in barrel.....	1
Hot ashes igniting fence.....	1
Hot ashes igniting deck of scow.....	1
Hot ashes thrown in scuttle.....	1
Hot ashes thrown in pit.....	1
Hot coals dropping from stove.....	2
Hot ashes thrown among rubbish.....	1
Hot castings igniting woodwork.....	1
Incendiary.....	15
Leaking coal-oil stove.....	6
Leaking gasoline stove.....	10
Leak in gas-pipe.....	2
Lighted candle igniting bed.....	1
Lighted candle igniting clothing.....	1
Lighted candle igniting Christmas tree.....	4
Lighted cigarette dropped in a load of hay.....	1
Lighted cigarette thrown on chair.....	1
Lighted cigar thrown in basket.....	1
Lighted cigar thrown among cotton.....	1
Light from gasoline stove.....	1
Lighted lamp dropped on stairs.....	1
Lighted lamp dropped in Christmas garden.....	1
Lighted lamp igniting Christmas tree.....	1
Lighted lamp igniting curtain.....	2
Lighted lamp igniting ceiling.....	1
Lighted match igniting awning.....	2
Lighted match igniting curtain.....	1
Lighted match igniting gasoline.....	1
Lighted match igniting rubbish.....	1
Lighted match igniting sulphur.....	1
Lighted match thrown on floor.....	1
Lighted match igniting clothing.....	1
Light from balloon ascension.....	1
Lighted pipe in coat pocket.....	1
Light from window.....	1
Lightning.....	1
Lime slaking in box.....	1

Mice or rats gnawing at matches.....	5
Oil boiling over.....	4
Oil igniting from lighted lamp.....	1
Overflow of coal-oil stove.....	5
Overheated chimney.....	1
Overheated grate.....	1
Overheated hearth.....	1
Overheated hot-air pipe.....	1
Overheated kiln.....	1
Overheated stove or furnace.....	38
Overheated range.....	3
Overheated stove or furnace pipe.....	21
Overflow of gasoline tank.....	6
Overturning of gasoline stove.....	1
Overturning of a lighted candle.....	1
Pouring gasoline on range.....	1
Pouring oil on fire.....	4
Rags falling on stove.....	1
Set on fire by boys.....	3
Smoke from chimney.....	2
Smoke from roof.....	3
Smoke from stove.....	1
Smoke from window.....	7
Smoking cigar in bed.....	1
Smoking pipe in bed.....	3
Sparks from electric lamp.....	1
Sparks from fire.....	3
Sparks from forge.....	2
Sparks from furnace.....	2
Sparks from locomotive.....	3
Sparks from pipe.....	2
Sparks from stove.....	1
Sparks from stack or chimney.....	14
Spontaneous combustion.....	4
Stepping on parlor match.....	1
Tar boiling over.....	2
Telephone wire.....	1
Thawing water-pipe.....	1
Throwing burning rags on roof.....	1
Throwing lighted match on lounge.....	2
Tinner's fire-pot.....	1
Towel igniting from coal-oil stove.....	1
Turpentine upset on lighted lamp.....	2
Upsetting coal oil lamp.....	12
Upsetting lighted candle.....	2
Upsetting coal oil stove.....	9
Upsetting can of gasoline.....	1
Unknown.....	272

NOTABLE FIRES DURING THE YEAR.

January 8th—Box 48.—In the rear of No. 38 Wilkens street, occupied by Eigenbrot Brewing Company as a brewery. The fire originated in the malt house, extending to and partially burning the engine, the separating room of a two-story brick building, and the tower of the malt house. The first alarm was received at 9.16 p.m., the second at 9.25 p.m., the third at 9.36 p.m., and the recall signal at 5.15 a.m., January 9th. The services of six engine companies, three hook and ladder trucks, and one chemical engine were required. The cause of the fire could not be ascertained. Loss \$16,533.94.

January 13th—Box 517.—Southwest corner of Bayard and Russell streets a one-story frame shed occupied by Swindell Bros. as a storage house china, glassware, bottles, etc. The first alarm was received at 6.32 p.m., the second alarm at 7.15 p.m., and the recall signal at 3.44 a.m., January 14th. The services of six engine companies, and two hook and ladder companies were required. The cause of the fire was supposed to have been a spark from blacksmith shop adjoining. Loss \$80,756.32.

February 22d—Box 188.—The partial burning of sixteen two-story brick dwellings, together with the fences, sheds and out-houses, from No. 1237 Hare street, occupied by Joseph Lendonouski and others. First alarm received at 12.16 a.m., second alarm at 12.39 a.m., and the recall signal at 6.18 a.m. The services of seven engines, and three hook and ladder trucks were required. The cause of the fire was unknown. Loss \$5,044.33.

February 23d—Box 345.—1806 N. Charles street, occupied by James R. Armiger. The building was four stories, marble. The fire originated from an overheated furnace pipe in the cellar, and spread rapidly through the house by the front and back stairway (both adjoining) to the upper floors and roof. The fire was soon subdued, but resulted in the sad deaths of James R. Armiger, Horace Manuel, W. B. Riley and his two little children, being overcome by smoke while endeavoring to locate an exit from the building. A colored domestic in trying to save herself by jumping from the second-story window received injuries from which she died. Mrs. James R. Armiger was rescued by means of a

ladder from the second-story window, and the other occupants of the house were rescued by the members of Hook and Ladder Company No. 5 from the third-story window by means of a ladder. The first alarm received at 8.21 a.m., and the recall signal at 2.13 p.m. The services of three engine companies, one hook and ladder truck and two chemical engines were required. The cause of the fire was an overheated furnace pipe. Loss \$7,447.48.

May 8th—Box 512.—15 S. Charles street. A four-story brick building occupied on the first floor and cellar as a paper warehouse, and the upper floors occupied as a printing establishment by Mentzell Bros. and John S. Bridges. The fire originated in the cellar, which contained much inflammable material, and did damage to stock and the interior woodwork. The alarm was received at 11.37 a.m., and the recall signal at 1.20 p.m. The services of six engines, two hook and ladder trucks, and one chemical engine were required. The cause of the fire was not ascertained. Loss \$15,532.64.

May 17th—Box 221.—Nos. 317 and 319 North street. A two-story brick building, occupied by James Armstrong & Co., as a nut and bolt factory. The fire extended to and partially damaged the roof of a two-story brick building adjoining used as a mattress factory occupied by Foster Bros. The first alarm was received at 6.49 p.m., and the general alarm at 6.55 p.m. The recall signal was received at 9.27 p.m. The services of eleven engines, four hook and ladder trucks, and one chemical engine were required. The cause of the fire was unknown. Loss \$5,986.84.

May 30th—Box 522.—No. 522 Light street. A four-story brick warehouse containing drugs, roots, herbs and chemicals, which, together with the roof, and the interior woodwork were partially burned. The first alarm was received at 5.34 p.m., and the recall signal received at 9.14 p.m. The services of six engines, two hook and ladder trucks and one chemical engine were required. Occupied by John B. Hurtt & Co. Cause unknown. Loss \$6,901.89.

September 4th—Box 624.—A five-story brick building, occupied by D. Wilfson & Son as a furniture factory, northwest corner of Howard and Stockholm streets, partially burning the furniture and interior woodwork on the fourth and

fifth floors. The first alarm was received at 6.10 a.m. the second at 6.13 a.m., and the third at 6.30 a.m., and the recall signal at 10.06 a.m. The services of seven engines, two hook and ladder trucks and one chemical engine were required. Cause of fire, spontaneous combustion. Loss \$13,138.16.

September 10th—Box 639.—Locust Point. A two-and-one-half-story brick bonded warehouse, occupied by the B. & O. R. R. Co., partially burning the stock contained on the second floor, and also the building. The first alarm was received at 5.01 p.m., the second at 5.36 p.m., and the recall signal at 7.44 a.m., September 11th. The cause of the fire unknown. Loss not adjusted.

September 23d—Box 245.—A two-story brick building, occupied as a shoe factory, located in the yard of the Maryland Penitentiary, partial burning of stock of leather and shoe findings, also the interior woodwork. The first alarm was received at 9.22 p.m., the second at 9.30 p.m. and the recall signal at 11.45 p.m. The services of five engines, two hook and ladder trucks and one chemical engine were required. Cause of fire unknown. Loss \$7,718.43.

September 27th—Box 437.—A three-story brick building, occupied by the Chatterton Manufacturing Company; furniture in various stages of completion on the second and third floors was burned, as was the interior woodwork on the same floors. The first alarm was received at 1.19 p.m., the second at 1.25 p.m., and the recall signal at 2.56 p.m. The services of four engines and three hook and ladder trucks were required. The cause of the fire was unknown. No. 623 W. Pratt street. Loss \$7,594.42.

November 21st—Box 616.—A three-story brick building, also a one and two-story brick building, also a two-story frame building, together with a one-story frame shed, occupied by the Chesapeake Guano Company, in the manufacture of fertilizer; three one-story frame sheds were also burned, with contents, consisting of nitre guano. The first alarm was received at 8.34 a.m., the second at 8.43 a.m., and the recall signal at 9.25 p.m. The services of seven engines and two hook and ladder trucks were required. The cause of the fire was sparks from the machinery igniting the woodwork. Warner's wharf, south end of Winder street. Loss not adjusted.

November 27th—Box 498.—A two-story building, occupied by Lawrence and Moses McCormick as a carriage factory was burned, as also the partial burning of the interior woodwork of a two-story brick stable; owing to the great distance that the department was compelled to go, and also the scarcity of water, the fire got great headway, and resulted in the destruction of the factory. The alarm was received at 12.59 a.m., recall signal at 6.36 a.m. The services of two engines and two hook and ladder trucks were required. The cause of the fire was unknown. Location, Franklin road near toll-gate. Loss not adjusted.

FIRES AT WHICH RESCUES WERE MADE OR ATTENDED BY LOSS OF LIFE.

BOX 153.

Wednesday, January 1st, 1896.—Four occupants of the dwelling No. 1415 Eastern avenue were rescued by the members of No. 3 Hook and Ladder Company, by the aid of ladders on the outside of building. Cause, explosion of coal-oil lamp.

BOX 427.

Thursday, February 13th, 1896.—Mrs. Annie C. Thiemeyer was rescued from the third-story window by means of a ladder, by Lieut. John F. Kelly and Hostler Joseph Lavender, of Hook and Ladder Company No. 2, her escape having been cut off from the stairway by the dense smoke. The fire originated under the stairway of the first floor, burning the interior woodwork and partition in the three-story brick dwelling No. 231 N. Greene street, occupied by Dr. Frank Lewis. Cause of fire, overheated furnace.

BOX 345.

Sunday, February 23d, 1896.—Four-story marble front dwelling, No. 1806 N. Charles street, occupied by James R. Armiger.

The fire originated in the cellar near the furnace, and extended to the upper floors by means of the stairways and air-shaft. Escape by the stairways had been cut off

before the alarm was sounded. Mrs. James R. Armiger and Louis Whiting, a colored servant, were taken from the second-story front room by means of a ladder procured in the vicinity. Mrs. Wm. B. Riley, Richard and Marion Riley, (children of Mrs. Riley) and Mary White were taken from the third-story front room by means of the extension ladder of Truck No. 5. Mr. W. B. Riley, Mrs. Marion Chamblin and James Chamblin, her son, and Mr. Horace Manuel were taken from the third-story front room by means of the stairway. Alice Williams, a colored servant, jumped from the third-story front room and was killed. The following occupants of the house died from the effects of inhaling the smoke and hot air: Mr. James R. Armiger, Mr. W. B. Riley and two children, Mrs. Marion Chamblin and child, Mr. Horace Manuel, and Mary White, a colored servant. Miss Virginia Armiger and Miss Eleanora Armiger jumped from the second-story back window, receiving no injuries whatever.

The following members of Hook and Ladder No. 5 are worthy of the highest commendation for their heroic conduct while engaged in the work of rescuing the occupants of the house: Ladderman R. L. King, James McCarron, Amos Bramble and William Wiley.

BOX 543.

Monday, July 13th, 1896—Time of alarm, 10.10 p.m.—Mrs. Theresa Wolford and Mrs. Elizabeth Slemacker were so badly burned about the body that they died on Tuesday, July 14th, 1896. The fire occurred in the kitchen on the first floor, and the cause was the dropping of a lighted lamp on the stairway. No. 1210 Riverside avenue.

SILENT.

Friday, August 21st, 1896—Time, 7.20 a.m.—The fire occurred on the first floor of a two-story dwelling and did but little damage. The person of Mrs. H. Brown was badly burned, and she died from the effect of same. Cause of fire was the explosion of a gasoline stove. No. 1118 Harmony lane.

SILENT.

Saturday, October 10th, 1896—6.25 p.m.—No. 25 S. Exeter street. Fire originated in the hallway, from the attempt of

Mrs. Dora Rosenstadt to fill a gasoline tank while the stove was burning; the oil overflowing took fire. Mrs. Rosenstadt threw the stove down stairs; in attempting to make her escape she fell upon the stove, receiving burns from which she died. Mr. I. Rosenberg, wife and child, made their escape by the second-story window, assisted by members of Engine Company No. 3, and Hook and Ladder Company No. 1.

BOX 163.

Tuesday, December 15th, 1896—9.10 p.m.—Dwelling No. 111 S. Wolfe street. Mrs. Elizabeth Rouse was badly burned about the body, and died from the effect of same one hour after. Cause: it is supposed that she was sitting too close to the stove, and her clothing took fire.

CASUALTIES

No.	COMPANY.	POSITION,	NAME.	DATE.	BOX	TIME OFF DUTY.	NATURE OF INJURY.
		Chief Engr..	Wm. C. McAfee.	November 3.	.....	8 days..	Left wrist sprained and left side bruised.
		Lieutenant..	Wm. F. Morrow.	December 14	13	23 days.	Right ankle sprained.
1	Engine	Pipeman....	W. D. Barker...	November 21	616	17 days.	Left foot lacerated by a nail.
2	"	Pipeman....	Wm. Kimball...	Dec. 27, 1895	412	44½ days	Right hand cut by falling glass.
3	"	Captain....	Jno. B. Bortell..	May 13	.....	3 days..	Pin run in right foot.
3	"	Pipeman....	R. H. Dougherty.	June 16	.....	7½ days.	Left foot cut.
3	"	Pipeman....	G. L. Schlumm...	July 23	.....	123 5½ days.	Left shoulder sprained and contu- sion of left side.
3	"	Pipeman....	J. T. Pearl.....	July 23	.....	123 7 days..	Head cut and right hand lacerated.
3	"	Captain....	J. B. Bortell...	August 2...	143	7½ days.	Hands and face burned.
3	"	Lieutenant..	Louis Harrer...	November 13	....	9½ days.	Left leg bruised.
4	"	Captain....	Herman F. Bichy.	November 6	....	60 days.	Spine injured by a fall.
4	"	Lieutenant..	J. M. Frederick..	November 6	....	73 days.	Right ankle broken.
5	"	Pipeman....	H. R. Scippel...	February 17.	15	21 days.	Contusion of right shoulder.
5	"	Hostler....	Henry Murphy..	March 7	.....	4 days..	Splinter in left hand.
7	"	Captain....	John Hoffman...	November 21	616	5½ days.	Contusion of body and legs.
7	"	Pipeman....	Jas. J. McGraw..	November 21	616	Still off.	Fracture of pelvis.
7	"	Pipeman....	Wm. A. Hall....	November 21	616	Still off.	Fracture of left leg.
8	"	Pipeman....	John Murphy....	July 19	.....	9¾ days.	Wrist sprained.
9	"	Pipeman....	James McDevitt..	August 28...	215	8 days..	Contusion of right hip.
9	"	Pipeman....	James McDevitt.	September 19.	247	.....	Cut over right eye.
10	"	Pipeman....	Jos. A. Derwart.	September 21	....	5 days..	Head cut and left shoulder bruised.
10	"	Pipeman....	Jos. A. Derwart.	December 2.	216	14 days.	Left ankle sprained.
11	"	Pipeman....	Philip Peacock..	March 21	....	2 days..	Contusion of left foot.
12	"	Hostler....	Jos. W. Moon...	January 29.	63	89 days.	Left foot mashed.
12	"	Pipeman....	C. H. Wheatley..	August 28...	413	.....	Contusion of left eye.

No.	Engine.	Pipeman.	Matthew Carroll.	October 2.	2561	Forehead cut.
12	..	Pipeman.	J. N. McKenzie.	September 15.	1 day.	Kicked on hand by a horse.
13	..	Hostler.	J. O. Healey.	February 22.	16½ days.	Right leg bruised.
14	..	Pipeman.	T. Bushman.	October 11.	Still off.	Left leg cut by glass.
15	..	Substitute.	J. M. Frederick.	May 8.	94½ days.	Tendon of left hand cut.
15	..	Lieutenant.	M. E. Lynch.	February 26.	19½ days.	Palm of left hand bruised.
15	..	Pipeman.	M. J. Hesmer.	April 24.	10½ days.	Head cut by engine pole.
15	..	Pipeman.	Mark Hill.	June 28.	3½ days.	Right hand bruised.
16	..	Hostler.	R. A. Lindsay.	January 9.	39 days.	Right hand mashed.
16	..	Captain.	R. A. Lindsay.	May 30.	522	Contusion of left side and hand.
16	..	Captain.	John Stanton.	May 30.	522	Contusion of left side and back.
16	..	Pipeman.	George Horley.	July 7.	5¾ days.	Left arm sprained.
16	..	Stoker.	Wm. C. Stallings.	October 26.	.....	Contusion of left breast.
16	..	Pilot.	John Stanton.	November 21.	616	Right wrist sprained.
16	..	Pipeman.	John Prenger.	September 10.	26 days.	Left wrist cut.
17	..	Captain.	W. C. D. Knight.	September 18.	5½ days.	Abscess on right hand from a bruise.
17	..	Lieutenant.	Thomas Sexton.	September 28.	4½ days.	Left foot mashed.
17	..	Engineer.	Robert Blatchley.	June 30.	.....	Right foot bruised.
18	..	Pipeman.	Geo. E. Croucher.	February 7.	13 days.	Left foot lacerated by a nail.
19	..	Lieutenant.	J. T. Seebreeze.	July 23.	19 days.	Left ankle sprained.
No. 1	Hook and Ladder.	Ladderman.	J. P. Lyons.	November 28.	7 days.	Right ankle sprained.
1	..	Ladderman.	Aug. Emrich.	March 14.	418	Right shoulder and wrist sprained.
2	..	Captain.	Jos. Lavender.	March 14.	418	Right side and body bruised.
2	..	Hostler.	Jas. A Campbell.	Dec. 22, 1895.	413	Left arm broken.
2	..	Ladderman.	Henry J. Carle.	March 14.	55 days.	Left arm broken.
2	..	Ladderman.	H. C. Kabernagle.	March 14.	418	Back bruised.
2	..	Ladderman.	John W. Blake.	May 16.	10 days.	Both legs bruised.
2	..	Tillerman.	John W. Blake.	June 5.	3½ days.	Right wrist pierced by a pitchfork.
3	..	Asst. Tiller'n.	John Koos.	February 17.	9 days.	Right wrist sprained and face bruised.
3	..	Probationer.	Henry Donohoo.	June 1.	10 days.	Right wrist sprained.
3	..	Tillerman.	John J. Kurne.	April 10.	18 days.	Contusion of right leg.
4	..	Lieutenant.	Geo. F. Kennard.	May 16.	18½ days.	Bullet wound in right side.
4	..	Ladderman.	George E. Gill.	May 28.	5 days.	Cut on left side of head.
4	..	Ladderman.	George E. Gill.	June 23.	5 days.	Bruise on right arm.
5	..	Ladderman.	Elias J. Kipp.	February 18.	10 days.	Left leg bruised.

CASUALTIES.

COMPANY.	POSITION.	NAME.	DATE.	BOX	TIME OFF DUTY.	NATURE OF INJURY.
No. 5 Hook and Ladder	Hostler,	William Quinn, .	March 15,	26	7 days.	Left leg bruised by a kick from a horse.
" 5 "	Ladderman, .	A. C. Bramble, .	March 10,	26	8 days.	Finger on left hand cut.
" 5 "	Hostler,	William Quinn, .	July 15,	26	20 days.	Finger on right hand cut.
" 5 "	Ladderman, .	William Cullen, .	July 30,	245	Still off.	Contusion of right heel.
" 5 "	Ladderman, .	Howard E. Curry, .	September 23,	245	Still off.	Left leg crushed, necessitating amputation.
" 5 "	Probationer, .	Geo Thompson, .	September 23,	245	Still off.	Chin cut.
" 5 "	Substitute, . .	Wm. S. Couzens, .	September 23,	245	6 $\frac{1}{2}$ days.	Left leg bruised.
" 6 "	Ladderman, .	Joseph Neubert, .	July 17,	33	3 $\frac{1}{2}$ days.	Muscles of back strained.
" 6 "	Substitute, . .	Conrad Garbe, . .	August 7,	546	23 $\frac{1}{2}$ days.	Contusion of heels.
" 6 "	Ladderman, .	Henry Toepfer, .	October 10,	546	Still off.	Finger on right hand bruised.
" 6 "	Ladderman, .	Wm. L. Dailey, .	October 25,	61	Still off.	Contusion of right elbow.
" 6 "	Ladderman, .	Joseph Neubert, .	November 21,	616	Still off.	Contusion of right leg.
" 6 "	Ladderman, .	Ed. S. McDonnell, .	November 25,	264	Still off.	Finger on right hand cut.
" 10 "	Captain,	W. H. Hartman, .	August 1,	38	7 days.	Finger on right hand mashed.
" 10 "	Hostler,	Thomas Wright, .	May 16,	38	7 days.	Right knee sprained.
" 10 "	Ladderman, .	Chas. E. Brown, .	July 16,	11	11 days.	Right knee sprained.

ROSTER OF THE DEPARTMENT

— AND —

LOCATION OF COMPANIES.

1896.

OFFICERS.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
William C. McAfee.....	32	10 years.....	Chief Engineer...	No. 123 W. Twenty-first st.	Plumber.
George W. Horton.....	50	34 ".....	1st Dist. Engineer	No. 404 Colvin st.....	Wire worker.
August Emerich.....	34	12 " 6 mos..	2d ".....	No. 1032 E. Monument st.	Coal dealer.
Levin H. Burkhardt.....	29	6 ".....	3d ".....	No. 1252 Barclay st.....	Carpenter.
Fielding H. Lucas.....	45	15 ".....	4th ".....	No. 1013 N. Arlington ave.	Type founder.
Frank K. Conway.....	45	24 ".....	5th ".....	No. 308 N. Entaw st.....	Machinist.
William A. Larkins.....	34	12 " 6 mos..	6th ".....	No. 1212 Hanover st.....	Carpenter.

No. 1 ENGINE COMPANY.

Located on Paca Street, north of Fayette Street.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
J. Thomas Dunn.....	35	7 years.....	Captain	No. 621 W. German st....	Iron moulder.
William F. Morrow.....	45	20 ".....	Lieutenant.....	No. 1014 Druid Hill ave...	" "
John H. Deal.....	34	25 ".....	Engineerman.....	No. 1519 Myrtle ave.....	Machinist.
George C. Lloyd.....	28	4 ".....	Ass't Engineerman.	No. 794 W. Cross st.....	" "
Louis J. Fresch.....	53	25 ".....	Hostler.....	No. 507 N. Schroeder st...	Carpenter.
Edward R. Addison.....	49	22 ".....	Pipeman.....	No. 128 N. Poppleton st...	Machinist.
Albert Oelmann.....	31	8½ ".....	".....	No. 710 W. Mulberry st...	Blacksmith.
George W. Bentz.....	56	27 ".....	".....	No. 221 W. Mulberry st...	Baker.
Wilbur D. Barker.....	26	5½ months.....	".....	No. 1048 W. Fayette st....	Steamfitter.
Robert P. McFarland.....	30	8 years.....	".....	No. 451 W. Twenty-fourth.	Driver.
George R. Thompson.....	36	5½ months.....	".....	No. 2328 Fairmount ave..	Iron moulder.

No. 2 ENGINE COMPANY.—*Located on Barry Street, west of Sharp Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
William R. Ward	52	24 years	Captain	No. 124 S. Calhoun st.	Carpenter.
George C. Young	44	5 " 9 mos.	Lieutenant	No. 3 E. Henrietta st.	Tinner.
Thomas S. Atkinson	46	15 " 3 "	Engineer	No. 1839 W. Lombard st. ..	Machinist.
Daniel H. Weber	36	7 " 4 "	Ass't Engineer	No. 409 S. Sharp st.	"
Frank Hines	32	6 " 7 "	Pipeman	No. 936 S. Sharp st.	Tinner.
George H. Hewett	31	5 " 6 "	"	No. 415 S. Sharp st.	Brushmaker.
Charles E. Rice	27	3 " 8 "	"	No. 1633 W. Lexington st. ..	Packer.
William H. Bell	40	2 " 6 "	"	No. 1118 Cleveland st.	Blacksmith.
Edward Tauber	30	6 " 1 "	"	No. 13 N. Carrollton ave. ..	Driver.
William Kimball	26	1 " 6 "	"	No. 1138 Hanover st.	Paperhanger.
Dennis G. Miller	25	7 months	"	No. 207 E. Hamburg st.	Driver.
Charles L. Smoot	28	2 "	"	No. 932 Hollins st.	Blacksmith helper

No. 3 ENGINE COMPANY.—*Located on East Lombard Street, near High Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
John B. Bortell	31	8 years 3 mos.	Captain	No. 202 S. Eden st.	Ship rigger.
Louis Harter	39	4 "	Lieutenant	No. 227 S. Caroline st. ...	Pile driver.
William T. Hubbard	38	3 "	Engineer	No. 31 S. Bond st.	Marine engineer.
Joseph P. Whalen	31	5 months	Ass't Engineer	No. 833 McHenry st.	Machinist.
John F. Pierce	53	21 years	Hostler	No. 407 N. Paca st.	Hostler.
George L. Schlumm	36	8 " 8 mos.	Pipeman	No. 252 S. Exeter st.	Boxmaker.
Herman Fumbaugh	38	8 " 8 "	"	No. 1817 E. Lombard st.	Hostler.
James T. Pearl	40	10 "	"	No. 910 E. Lombard	Tobacco worker.
John T. Seabreeze	51	3 " 10 mos.	"	No. 1202 Gough st.	Painter.
Benjamin V. Beyer	32	6 "	"	No. 1438 E. Fort ave.	Laborer.
George D. Shanks	37	18 days	"	No. 11 S. Fremont st.	Shoemaker.

No. 4 ENGINE COMPANY.—*Located on Lexington Street, between North and Calvert Streets.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Herman F. Bichy	38	6 years 9 mos.	Captain	No. 1114 Bowen st.	Clerk.
August Schlamm	30	6 " 7 "	Lieutenant	No. 1010 Eastern ave.	Driver.
Herbert W. Peerce	30	5 " 6 "	Engineman	No. 722 E. Preston st.	Machinist.
Frederick C. Weiss	23	2 mos, 17 days.	Ass't Engine-man.	No. 1816 Gough st.	"
Philip L. Brady	33	10 years	Hostler	No. 1833 Frederick ave.	Driver.
Constant Seibert	45	15 "	Pipeman	No. 1747 E. Preston st.	"
Frank C. H. Berger	40	11 "	"	No. 816 Ensor st.	Silversmith.
Henry F. Boerner	36	1 year 9 mos.	"	No. 707 Colvin Place.	Tinsmith.
George A. Ford	38	7 months	"	No. 259 Cedar ave.	Clerk.
Henry C. Potter	31	6 mos, 17 days.	"	No. 1014 Chesapeake st ...	Moulder.
Israel D. Appleby	40	6 " 17 "	"	No. 1933 Hollins st.	Plasterer.
Frisby Lloyd	36	18 days	"	No. 1024 N. Washington st.	Cannemaker.

No. 5 ENGINE COMPANY.—*Located on Ann Street, near Gough Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Andrew W. German	47	25 years	Captain	No. 239 S. Ann st.	Painter.
Charles Rosenthal	39	6 "	Lieutenant	No. 12 S. Ann st.	Carpenter.
Frederick L. Nelson	49	22 "	Engine-man	No. 404 S. Ann st.	Machinist.
Joseph Zeidler	44	3 " 11 mos.	Ass't Engine-man.	No. 2009 Gough st.	Marine engineer.
Henry Murphy	45	17 "	Hostler	No. 202 S. Washington st..	Sugar refiner.
Henry R. Seippel	47	22 "	Pipeman	No. 1629 E. Lombard st. ...	Barber.
William B. Baker	39	15 "	"	No. 208 S. Ann st.	Brassfinisher.
John F. Bilson	33	4 " 6 mos.	"	No. 406 S. Wolfe st.	Painter.
Anthony Schoepplein	41	5 " 6 "	"	No. 309 S. Register st.	Cooper.
Joseph Nelson	27	1 " 10 "	"	No. 614 S. Chapel st.	Laborer.
Joseph G. Smith	34	1 " 9 "	"	No. 1925 Fairmount ave. ...	Mill hand.

No. 6 ENGINE COMPANY.—*Located corner of Gay and Ensor Streets.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Charles Betz	43	12 years.	Captain.	No. 426 Colvin st.	Shoemaker.
Robert R. Perry	27	4 " 6 mos.	Lieutenant.	No. 2219 Orleans st.	Iron moulder.
Matthew Mulligan	58	26 " "	Engineman.	No. 1027 Valley st.	Machinist.
William H. Hardy	32	1 " 9 mos.	Ass't Engineman.	No. 328 S. Poppleton st.	"
William H. Dunn	46	13 " "	Hostler.	No. 1839 W. Baltimore st.	Hostler.
George Sykes	36	4 " 7 mos.	Pipeman.	No. 1115 E. Monument st.	Collarmaker.
Isaac Cuddy	27	3 " 1 " "	"	No. 806 N. Central ave.	Carpenter.
Thomas B. Strahan	52	16 " "	"	No. 1629 N. Bond st.	Carrier.
William McKay Morrow	28	1 " 6 mos.	"	No. 1316 E. Fayette st.	Paper carrier.
John T. Gordon	24	1 " 4 " "	"	No. 1734 Gough st.	Soap presser.
Frederick H. Kaufman	24	1 " 3 " "	"	No. 407 N. Wolfe st.	Carriagesmith.
Joseph H. Stallings	41	8 mos.	"	No. 417 N. Spring st.	Type caster.

No. 7 ENGINE COMPANY.—*Located corner Eutam Street and Druid Hill Avenue.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
John Hoffman	49	20 years.	Captain.	No. 637 Pitcher st.	Cannaker.
Lawrence Pistel	46	22 " "	Lieutenant.	No. 1544 Argyle ave.	Cigarmaker.
Samuel W. Stansbury	46	22 " "	Engineman.	No. 1925 W. Baltimore st.	Machinist.
Frank R. Nehren	32	5 " 8 mos.	Ass't Engineman.	No. 912 Argyle ave.	"
Harnan Schiminger	42	6 " 9 " "	Hostler.	No. 235 N. Poppleton st.	Hostler.
Charles A. Soistman	43	6 " 9 " "	Pipeman.	No. 602 Bradley st.	Drummaker.
George Schneider	28	4 " 3 " "	"	No. 907 Madison ave.	Gasfitter.
John Weinkamp	30	4 " 9 " "	"	No. 655 W. Mulberry st.	Cigarmaker.
Andrew A. Albert	33	1 " 9 " "	"	No. 935 N. Castle st.	Driver.
William A. Hall	32	1 " 9 " "	"	No. 711 Warner st.	Marble cutter.
James J. McGraw	43	3 " 10 " "	"	No. 1446 Aisquith st.	Clerk.

No. 8 ENGINE COMPANY.—*Located on Mulberry Street, between Schroeder Street and Arlington Avenue.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
William J. Stewart.....	45	21 years 6 mos..	Captain.....	No. 424 N. Arlington ave.	Tinner.
Jacob F. Rupp.....	38	8 " 6 "	Lieutenant.....	No. 118 S. Gilmer st....	Plasterer.
Charles E. Freeburger...	48	21 years.....	Engineer.....	No. 1202 W. Franklin st..	Machinist.
William F. Awalt.....	35	6 " 6 mos..	Ass't Engineer..	No. 312 N. Poppleton st...	"
James McGleeman.....	34	7 " 6 "	Hostler.....	No. 263 N. Schroeder st...	Moulder.
Greenbury Chapman.....	64	26 ".....	Pipeman.....	No. 954 W. Franklin st...	Shoemaker.
Charles Airey.....	44	".....	".....	No. 235 N. Schroeder st...	Cigar-maker.
John J. Murphy.....	42	5 " 6 mos..	".....	No. 425 N. Fremont ave...	Moulder.
Thomas W. Jessop.....	36	".....	".....	No. 1516 N. Stricker st....	"
Albert Schayne.....	29	1 " 4 mos..	".....	No. 642 W. Mosher st....	Driver.
William Eckert.....	38	9 " 7 ".....	".....	No. 1033 W. Mulberry st..	Brushmaker.

No. 9 ENGINE COMPANY.—*Located on Madison Street, east of Broadway.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
David H. Macaulay.....	70	36 years.....	Captain.....	No. 1211 N. Eden st.....	Painter.
Solomon Chifelder.....	53	25 ".....	Lieutenant.....	No. 1641 E. Madison st....	Huckster.
Daniel R. Rogers.....	50	25 ".....	Engineer.....	No. 1711 E. Madison st....	Machinist.
George W. Speake.....	39	7 mos, 15 days.	Ass't Engineer..	No. 138 W. Ostend st....	Boilermaker.
Elias J. Kipp.....	43	7 years.....	Hostler.....	No. 930 N. Washington st.	Carpenter.
James McDevitt.....	54	25 ".....	Pipeman.....	No. 803 N. Washington st.	Harnessmaker.
William H. Cuddy.....	39	8 " 6 mos..	".....	No. 1515 E. Madison st....	Driver.
Clinton Baker.....	36	3 " 10 ".....	".....	No. 808 N. Wolfe st.....	Laborer.
John Amend.....	36	5 " 3 ".....	".....	No. 2209 Jefferson st....	Boxmaker.
Gustave Miller.....	25	1 " 9 ".....	".....	No. 507 N. Bond st.....	Driver.
Richard V. Pittinger.....	48	17 ".....	".....	No. 1632 E. Madison st....	Carpenter.

No. 10 ENGINE COMPANY.—*Located on Columbia Avenue, near Poppleton Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Henry Stagge	31	5 years 6 mos.	Captain	No. 1117 Bowen st.	Moulder.
Charles Romero	35	7 " 5 "	Lieutenant	No. 1033 Cross st.	Plumber.
John W. Walsh	47	21 "	Engineman	No. 1115 W. Baltimore st. .	Machinist.
James Nugent	40	13 "	Ass't Engineer.	No. 417 S. Poppleton st. .	"
Edward Norton	32	3 " 9 mos.	Hostler	No. 33 W. West st.	Hostler.
Justice G. Keilholtz.	51	23 "	Pipeman	No. 896 W. Lombard st. .	Mantel setter.
Henry Zachman	43	8 " 6 mos.	"	No. 1259 James st.	Cigar maker.
John Eigenbrodt	35	6 "	"	No. 1123 Bowen st.	Woodcarver.
Joseph A. Derwart	33	1 " 10 mos.	"	No. 1237 Cross st.	Shoemaker.
Edward A. Ward	23	1 " 10 "	"	No. 1515 Battery ave.	Driver.
Joseph Kraft	33	5 months	"	No. 600 N. Monroe st.	Paperhanger.

No. 11 ENGINE COMPANY.—*Located on Eastern Avenue corner Patterson Park Avenue.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Michael A. Lind	35	10 years	Captain	No. 505 S. Patterson Park av	Painter.
Thomas Flaherty	36	5 "	Lieutenant	No. 2103 Bank st.	Pilot
John Calder	50	26 "	Engineman	No. 422 S. Patterson Park av	Machinist
John Linderman	49	8 "	Ass't Engineer.	No. 2036 Bank st.	"
Patrick H. Birlistle	29	4 "	Hostler	No. 1113 Granby st.	Driver
John W. Barton	32	5 "	Pipeman	No. 22 N. Rowe st.	Moulder
John P. Curry	28	2 " 5 mos.	"	No. 810 S. Port st.	Stovefinisher
Albert H. Gier	42	18 "	"	No. 1319 E. Lombard st. .	Painter
Joshua H. Miller	40	11 "	"	No. 3119 Foster ave.	Cigar maker
George Shipley	39	7 "	"	No. 2242 Bank st.	Gilder
Philip Peacock	38	2 "	"	No. 608 S. Washington st. .	Tinner

No. 12 ENGINE COMPANY.—*Located on the southeast corner of Riverside and Fort Avenues.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
George W. Smith.....	39	6 years 8 mos.	Captain.....	No. 903 Columbia ave.....	Plumber.
Edward C. Kiesel.....	44	15 "	Lieutenant.....	No. 1442 Riverside ave.....	Gilder.
Michael Lyceett.....	50	24 "	Engineman.....	No. 1417 Battery ave.....	Machinist.
William F. Welsh.....	33	3 " 7 mos.	Ass't Engine man.	No. 20 E. Heath st.....	"
Joseph W. Moon.....	46	18 "	Hostler.....	No. 509 Battery ave.....	Hostler.
Peter McGonigle.....	36	6 "	Pipeman.....	No. 1265 Riverside ave.....	Cotton inspector.
James Knox.....	36	1 " 8 mos.	"	No. 1329 Hull st.	Laborer.
William P. Burke.....	33	1 " 8 "	"	No. 2020 Eastern ave.....	Boilermaker.
James P. Ward.....	28	1 " 1 "	"	No. 109 W. Fort ave.....	Upholsterer.
Charles H. Wheatley.....	37	10 mos.	"	No. 1218 Riverside ave.....	Boilermaker helper.
Matthew Carroll.....	43	8 "	"	No. 1283 William st.....	Laborer.

No. 13 ENGINE COMPANY.—*Located at the intersection of Fremont and Myrtle Avenues.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Andrew J. Walters.....	59	26 years	Captain.....	No. 1020 W. Saratoga st...	Cigarmaker.
Samuel R. Watkins.....	42	6 "	Lieutenant.....	No. 1 Polk st.....	Sathmaker.
John A. Bannan.....	54	19 "	Engine man.....	No. 1117 Riggs ave.	Machinist.
J. William Eckhard.....	34	6 " 4 mos.	Ass't Engine man.	No. 653 W. Lee st.	"
John F. McKenzie.....	49	6 "	Hostler.....	No. 1256 Barclay st.....	Car driver.
Wilbur Pearce.....	39	12 "	Pipeman.....	No. 1203 Winchester st...	Moulder.
James Nolan.....	26	3 " 7 mos.	"	No. 230 N. Fremont ave...	Collarmaker.
Joseph Hummel.....	26	2 " 6 "	"	No. 1621 W. Baltimore st.	Painter.
John W. Cook.....	35	3 " 9 "	"	No. 637 Mosher st.....	Baker.
James J. Wheeler.....	36	1 " 10 "	"	No. 1711 Brunt st.....	Laborer.
Joseph McKenna.....	25	1 " 1 "	"	No. 14 Gittings st.....	Hardwood finisher

No. 14 ENGINE COMPANY.

Located on Hollins Street, near Monroe Street.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
George A. Wright.....	40	6 years	Captain	No. 2031 Hollins st.....	Painter.
Charles E. Dewitt.....	46	12 "	Lieutenant.....	No. 2452 W. Baltimore st.	Carpenter.
John Gaffney.....	41	19 "	Engineman	No. 1923 Hollins st.....	Machinist.
Cornelius P. Kuhan.....	50	4 "	Ass't Engine man.	No. 18 S. Monroe st.....	"
Joseph Lavender	49	20 "	Hostler.....	No. 771 W. Mulberry st...	Driver.
C. Allen Orem	46	14 "	Pipeman.....	No. 2010 W. Lanvale st...	Painter.
Charles H. Baker.....	44	17 "	"	No. 1928 Hollins st.....	Scalemaker.
George E. Hibline.....	46	4 " 5 mos.	"	No. 310 S. Bruce st.....	Painter.
Leonard Jessop	41	4 " 5 "	"	No. 69 S. Monroe st	Plasterer.
Robert Lloyd	39	5 months	"	No. 2015 Vine st	Moulder.
William H. Perrine	29	19 days	"	No. 1107 Proctor st.....	Laborer.

No. 15 ENGINE COMPANY (DOUBLE COMPANY),
INCLUDING CHEMICAL SECTION AND WATER TOWER,
Located on Lombard Street, between Howard and Euter Streets.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
John Todd.....	32	5 years 6 mos..	Captain.....	No. 7 S. Carey st.	Laborer.
John M. Frederick.....	34	9 "	Lieutenant	No. 1717 Harford ave.....	Shoemaker.
James A. Campbell.....	32	2 " 11 mos.	"	No. 1056 Pennsylvania ave	Stonecutter.
John Conway.....	41	13 " 9 " ..	Engineer.....	No. 1630 McHenry st.....	Machinist.
John J. Cahill.....	32	3 " 10 " ..	Ass't Engineer.	No. 909 McHenry st.....	"
Edward R. McCullough..	39	7 months.....	"	No. 13 Irvine Place.....	Engineer.
Mark Hill.....	42	6 years 8 mos..	Hostler	No. 514 Fayette st.....	Tinner.
Charles L. Schulte.....	38	4 " 1 " ..	Pipeman.....	No. 1118 S. Paca st.....	Butcher.
August Lang.....	29	3 " 1 " ..	"	No. 818 St. Peter st.....	Cigarmaker.
John Kahl.....	27	2 " 10 " ..	"	No. 10 E. Hamburg st... .	Driver.
William E. Stewart.....	27	3 " 1 " ..	"	No. 104 N. Front street... .	Iron moulder.
John A. Henneman.....	33	1 " 8 " ..	"	No. 617 George st.....	Driver.
Frank J. Lavender.....	25	1 " 5 " ..	"	No. 771 W. Mulberry st... .	Laborer.
Thomas P. Hart.....	29	11 months	"	No. 37 E. York st.....	Mariner.
Harry C. Showacre.....	27	7 "	"	No. 2126 Calverton road... .	Carpenter.
Ebenezer Pyle.....	30	7 "	"	No. 14 Roseland ave.....	Clerk.
Michael J. Ready.....	27	7 "	"	No. 713 Forrest st.....	Wood turner.
John T. Divens.....	24	5 "	"	No. 1748 N. Chester st... .	Electrician.
Charles P. Griffin.....	44	16 days	"	No. 1141 W. Cross st.....	Salesman.
J. H. Hedrick.....	31	8 "	"	No. 141 Patterson Park ave	Machinist.

FIRE DEPARTMENT.

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NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Richard A. Lindsay	53	25 years	Captain	No. 311 Falls road	Paperhanger.
Alonzo Travers	30	4 " 8 mos.	Lieutenant	No. 723 S. Broadway	Pilot.
John H. Brown	49	5 " 6 "	Pilot	No. 1716 Fairmount ave.	Steamboat pilot.
William C. Stallings	48	5 " 1 "	"	No. 309 S. Ann st.	"
Thomas H. Meushaw	40	9 " "	Engineer	No. 2204 E. Lombard st.	Machinist.
John H. Stuft	53	4 " 6 mos.	Ass't Engineer	No. 2212 Gough st.	"
William L. Sbisá	32	5 months	"	No. 2127 E. Lombard st.	Marine engineer.
James H. Hoey	49	4 years 6 mos.	Stoker	No. 218 S. Castle st.	Stoker.
George Horley	40	4 " "	"	No. 1427 Block st.	"
Lawrence T. Rudolph	23	1 " 10 mos.	"	No. 1213 Hanover st.	Machinist.
John Stanton	33	1 " 10 "	Pipeman	No. 2206 E. Lombard st.	Boilermaker.
James H. B. Woodrow	44	9 months	"	No. 125 N. Montford ave.	Steamboat pilot.

No. 17 ENGINE COMPANY.—Located corner of Fort Avenue and Haubert Street.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
John Prenger	44	6 years 8 mos.	Captain	No. 1411 Hull st.	Machinist.
William C. D. Knight	27	2 " 5 "	Lieutenant	No. 26 E. Montgomery st.	Driver.
Thomas F. Sexton	42	8 " 6 "	Engineer	No. 109 W. Clement st.	Machinist.
John J. Cranford	27	3 " 9 "	Ass't Engineer	No. 1408 E. Fort ave.	"
Casper Kraft	36	4 " "	Hostler	No. 1301 Riverside ave.	Driver.
Henry Ludwig	46	5 " "	Pipeman	No. 865 Ramsay st.	Boxmaker.
James Catterton	47	10 " "	"	No. 1460 William st.	Painter.
John Moeller	29	3 " 1 mo.	"	No. 1330 Fort ave.	Packer.
Frank A. Kraft	26	2 " 5 "	"	No. 1412 Fort ave.	Painter.
John F. Moran	35	1 " "	"	No. 1113 William st.	Iron moulder.
Thomas Voyce	36	7 " 9 mos.	"	No. 529 Fort ave.	Boilermaker.
Peter Lohman	38	5 months	"	No. 1515 Jackson st.	Laborer.

No. 18 ENGINE COMPANY.—*Located on Twenty-first Street, between Maryland Avenue and Oak Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Frederick Branan.....	48	17 years.....	Captain.....	No. 324 W. Twenty-first st.	Harnessmaker.
William H. Quincy.....	41	3 " 10 mos..	Lieutenant.....	No. 402 E. North ave....	Marble cutter.
Thomas S. Brown.....	37	10 " " "	Engineman.....	No. 2406 Maryland ave....	Machinist.
Elijah J. B. Moore.....	33	1 " 8 mos.	Ass't Engineer.	No. 1306 Valley st.....	"
John W. Potts.....	39	8 " " "	Hostler.....	No. 2356 Oak st.....	Driver.
Robert H. Blatchley.....	26	3 " 10 mos.	Pipeman.....	No. 318 W. Twenty-first st.	Coach painter.
Michael J. Griffin.....	34	3 " 10 " "	" " " "	No. 314 W. Twenty-first st.	Hostler.
William C. McKenna.....	34	2 " 5 " "	" " " "	No. 2100 Jefferson place...	Tinner.
William J. McDonald.....	29	1 " 8 " "	" " " "	No. 2100 Jefferson place...	Cannaker.
George U. McFadden.....	28	4 " 7 " "	" " " "	No. 3426 Elm ave.....	Carpenter.
Thomas H. Sutton.....	26	1 " 8 " "	" " " "	No. 2441 Barclay st.....	Motorman.
Joseph J. Presley.....	29	3 " 10 " "	" " " "	No. 1420 Druid Hill ave...	Car driver.

No. 19 ENGINE COMPANY.—*Located corner of North Avenue and Bond Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Benjamin Price.....	52	17 years 8 mos..	Captain.....	No. 1610 E. Townsend st...	Office roaster.
George E. Croucher.....	34	9 " " "	Lieutenant.....	No. 1849 N. Chester st....	Cannaker.
John N. Bletzer.....	33	8 " " "	Engineman.....	No. 722 S. Bond st.....	Machinist.
Jacob S. Corns.....	43	16 " " "	Ass't Engineer.	No. 1812 N. Broadway.....	"
Michael J. Farley.....	34	7 " " "	Hostler.....	No. 1827 N. Bond st.....	Car driver.
John F. Maguire.....	28	3 " 9 mos..	Pipeman.....	No. 1618 N. Wolfe st.....	Shipping clerk.
Nicholas Barrett.....	30	1 " 6 " "	" " " "	No. 519 N. Exeter st.....	Horseshoer.
Charles C. Neilson.....	43	18 " " "	" " " "	No. 1622 N. Wolfe st.....	Bricklayer.
Harry F. Bodge.....	38	4 " 6 mos..	" " " "	No. 1708 Hopkins ave....	Hard wood fin'shr
Joseph J. Post.....	35	1 " 9 " "	" " " "	No. 1703 N. Bethel st....	Painter.
Louis Lohman.....	36	1 " 9 " "	" " " "	No. 1546 N. Gay st.....	Varnisher.
Franklin A. Teal.....	24	11 months.....	" " " "	No. 2124 Pennsylvania ave.	Street paver.

No. 20 ENGINE COMPANY.—*Located on West North Avenue, near Tenth Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
George F. Kennard.....	29	5 years 4 mos..	Captain.....	No. 1410 Argyle ave.....	Clerk.
William I. Johns.....	38	8 " "	Lieutenant.....	No. 1430 E. Lanvale st....	Bricklayer.
Frank Hunt.....	25	8 months.....	Engineman.....	No. 115 S. Ann st.....	Machinist.
Thomas F. Sadler.....	37	1 " 10 days	Ass't Engine-man.	No. 527 Hanover st.....	"
William Dauteich.....	38	6 " 17 "	Hostler.....	Cor. Calvert & Franklin sts	Driver.
Philip Bowen.....	45	18 years.....	Pipeman.....	No. 1219 Myrtle ave.....	Cigar-maker.
J. Oscar Healey.....	62	36 " "	" "	No. 1710 W. Fayette st....	Carpenter.
James T. Braden.....	28	3 " 2 mos..	" "	No. 1520 Aisquith st.....	Driver.
Samuel W. Marker.....	45	17 " "	" "	No. 208 N. Arlington ave..	Carpenter.
Richard H. Hobson.....	33	4 months.....	" "	No. 1901 Braddish ave....	Laborer.
William J. Watkins.....	34	1 year 5 mos..	" "	No. 30 S. Carrollton ave....	Cotton inspector.
Hugh P. Fox.....	37	4 " 9 " "	" "	No. 1907 Frederick ave....	Blacksmith.

No. 1 HOOK AND LADDER COMPANY.—*Located on Harrison Street, near Fayette Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
E. Louis Shipley.....	36	5 years 6 mos..	Captain.....	No. 1819 Druid Hill ave...	Shoemaker.
Thomas Kerr.....	33	6 " "	Lieutenant.....	No. 913 Hillen st.....	Clerk.
George W. Haskell.....	51	20 " "	Tillerman.....	No. 2103 Orleans st.....	Carpenter.
Andrew J. Orr.....	26	3 " 4 mos..	Ass't Tillerman..	No. 1429 Block st.....	Stoker.
John F. Mulligan.....	36	13 " "	Hostler.....	No. 1029 E. Lexington st..	Hostler.
Martin Kirby.....	51	15 " "	Ladderman.....	No. 26 S. Spring st.....	Trunk-maker.
Z. Taylor Seabreeze.....	48	6 " 6 mos..	" "	No. 255 S. Caroline st....	Hostler.
Joseph Daily.....	44	16 " "	" "	No. 126 N. Exeter st.....	Stonecutter.
James P. Lyons.....	25	1 " 9 mos..	" "	No. 506 York st.....	Horseshoer.
John R. Herr.....	25	1 " 1 " "	" "	No. 2313 Fairmount ave....	Clothing cutter.
Wm. G. Schultz.....	24	7 mos.....	" "	No. 329 S. Ann st.....	Box-maker.

No. 2 HOOK AND LADDER COMPANY.—*Located on Paca Street, near Fayette Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Emil Heise.....	37	6 years 9 mos..	Captain	No. 1208 Jackson st.....	Furniture packer.
Andrew J. Bilson.....	45	6 months.....	Lieutenant	No. 19 E. Lanvale st.....	Plasterer.
John W. Blake.....	60	26 years.....	Tillerman	No. 106 N. Paca st.....	Machinist.
John L. Emerson.....	28	5 ".....	Ass't Tillerman ..	No. 533 Wilson st.....	Painter.
Thomas Montgomery.....	55	26 ".....	Hostler.....	No. 121 N. Paca st.....	Driver.
William H. Stapf.....	29	4 ".....	Ladderman	No. 423 W. Mulberry st. .	"
Henry J. Carle.....	26	1 ".....	"	No. 234 N. Howard st.....	Electrotyping.
Cooper Elliott.....	44	9 ".....	"	No. 1308 E. Monument st..	Driver.
Frederick W. Johnston ..	27	2 ".....	"	No. 1132 W. Saratoga st. .	Carpenter.
Joseph M. Diggs.....	28	7 months.....	"	No. 214 S. Castle st.....	Iron moulder.
Henry C. Kabernagel.....	37	8 ".....	"	No. 1238 Mosher st.....	Laborer.

No. 3 HOOK AND LADDER COMPANY.—*Located on South Ann Street, near Gough Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
George W. Foxwell.....	50	26 years.....	Captain	No. 1911 Bank st.....	Shipwright.
Peter Nelson.....	38	7 ".....	Lieutenant	No. 14 S. Ann st.	Seaman.
John N. Downs.....	48	26 ".....	Tillerman	No. 2121 Orleans st.....	Painter.
John Koos.....	34	9 ".....	Ass't Tillerman ..	No. 1934 E. Lombard st. .	Cannemaker.
William Hastler.....	33	3 ".....	Hostler.....	No. 508 S. Wolfe st.....	Hostler.
John McClellan.....	63	26 ".....	Ladderman	No. 1814 Fairmount ave. .	Sailmaker.
James F. Reilly.....	44	22 ".....	"	No. 1633 E. Lombard st. .	Painter.
Frederick Grouling.....	32	4 ".....	"	No. 2031 Canton ave.....	Laborer.
Christian Fitzberger.....	26	1 year 9 mos..	"	No. 123 S. Caroline st....	China packer.
Harry Courtney.....	37	8 months.....	"	No. 1827 Ensor st.....	Stonecutter.
Michael E. Lynch.....	36	3 years.....	"	No. 712 S. Dallas st.....	Laborer.
T. Edward Burch.....	35	3 months.....	"	No. 303 S. Collington ave.	Tinner.

No. 4 HOOK AND LADDER COMPANY.—*Located on Biddle Street, near Druid Hill Avenue.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
John H. Morgan.....	46	24 years	Captain.....	No. 413 N. Fremont st....	Paperhanger.
Malcolm W. Jordan.....	27	4 " 5 mos.	Lieutenant.....	No. 502 W. Biddle st....	Driver.
John Kurne.....	37	10 " "	Tillerman.....	No. 415 W. Hoffman st....	Shoemaker.
Paul L. Linde.....	30	5 " 10 mos.	Ass't Tillerman..	No. 537 W. Dolphin st....	Cannaker.
Andrew J. Connelly.....	41	16 " 7 " "	Hostler.....	No. 411 N. Pine st.....	Driver.
George E. Gill.....	38	6 " "	Ladderman.....	No. 636 Clinton ave.....	Painter.
Charles Sapp.....	35	3 " 11 mos.	"	No. 1439 N. Fulton ave....	Laborer.
Samuel Seymour.....	36	11 " "	"	No. 807 E. Fort ave.....	Cannaker.
Edward Meintzberger...	37	3 " 11 mos.	"	No. 1525 Pennsylvania ave.	Gold beater.
Frank A. Haussou.....	28	5 " 3 " "	"	No. 952 W. Franklin st....	Blacksmith.
Henry V. Molter.....	30	3 " 9 " "	"	No. 1315 Linden ave.....	Gripman.
Clarence Kirby.....	36	19 days.	"	No. 2707 Boone st.....	Carpenter.

No. 5 HOOK AND LADDER COMPANY.—*Located on Aisquith Street, near Oliver Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Thomas J. Strabler.....	37	17 years	Captain.....	No. 1320 Ensor st.....	Tinner.
Lawrence Blake.....	50	25 " "	Lieutenant.....	No. 1543 Aisquith st....	Painter.
Peter B. Mullen.....	37	6 " "	Tillerman.....	No. 1332 Hillman st....	Painter.
Henry A. Donahoo.....	28	19 days.....	Ass't Tillerman..	No. 7 N. Caroline st.....	Cutter.
William Quinn.....	47	9 years.....	Hostler.....	No. 1303 N. Eden st....	Driver.
William Wiley.....	54	9 " "	Ladderman.....	No. 1308 Harford ave....	Cigarnaker.
Howard E. Curry.....	47	5 " "	"	No. 929 E. Preston st....	Driver.
Amos G. Bramble.....	28	1 " 9 mos.	"	No. 704 Aisquith st....	"
Robert Lee King.....	24	1 " 9 " "	"	No. 223 N. Eden st....	Cannaker.
James McCarron.....	25	1 " 9 " "	"	No. 1515 E. Fayette st....	Potter.
William H. Cullen.....	39	6 " "	"	No. 903 E. Hoffman st....	Butcher.
Frederick W. Harman...	32	4 " 4 mos..	"	No. 405 N. Spring st.....	Brassfinisher.

No. 6 HOOK AND LADDER COMPANY.—*Located on Hanover Street, corner of Ostend Street.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Thomas D. O'Keefe.....	31	9 years.....	Captain.....	No. 1343 S. Charles st.....	Driver.
Frederick G. Beck.....	41	7 ".....	Lieutenant.....	No. 424 Wehage st.....	Photographer.
James Gill.....	51	17 ".....	Tillerman.....	No. 8 E. West st.....	Moulder.
William H. Lalotte.....	30	6 ".....	Ass't Tillerman..	No. 1307 Clarkson st.....	Cannaker.
Louis Matthaël.....	32	5 ".....	Hostler.....	No. 1336 Hanover st.....	Driver.
Daniel Vogelgesang.....	39	7 ".....	Ladderman.....	No. 1425 Covington st.....	Cannaker.
Henry Toepfer.....	29	4 ".....	".....	No. 1415 Hanover st.....	Baker.
William L. Dailey.....	30	4 ".....	".....	No. 1743 S. Charles st.....	Driver.
William Leonard.....	40	3 ".....	".....	No. 33 W. Cross st.....	Carpenter.
Charles F. Fay.....	39	4 ".....	".....	No. 21 E. Ostend st.....	"
Edward S. McDonnell....	29	1 ".....	".....	No. 1210 Hanover st.....	Machinist.
Joseph Neubert.....	45	2 ".....	".....	No. 1364 Andre st.....	Electrician.

No. 10 HOOK AND LADDER COMPANY.—*Located on Lafayette Avenue, between Stricker and Gilmor Streets.*

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
William H. Hartman.....	38	14 years.....	Captain.....	No. 1503 Aisquith st.....	Plumber.
William A. Meushaw....	45	10 ".....	Lieutenant.....	No. 1021 N. Calhoun st...	Mariner.
William White.....	51	29 ".....	Tillerman.....	No. 911 N. Calhoun st....	Carpenter.
William F. Beall.....	36	10 ".....	Ass't Tillerman..	No. 1316 Riggs ave.....	Cannaker.
Thomas H. Wright.....	42	12 ".....	Hostler.....	No. 1608 W. Mulberry st..	Driver.
J. Frederick Schaefer....	60	8 ".....	Ladderman.....	No. 719 W. Baltimore st...	China packer.
John Sullivan.....	33	6 ".....	".....	No. 836 Ensor st.....	Painter.
George Thompson.....	34	4 ".....	".....	No. 1426 Mosher st.....	Straw hat maker.
Frederick W. Viehmeyer..	36	3 ".....	".....	No. 660 W. Mulberry st...	Driver.
Charles E. Brown.....	28	3 ".....	".....	No. 668 W. Saratoga st...	Laborer.
John J. Porcell.....	26	8 months.....	".....	No. 1113 N. Gilmor st....	Carpenter.
Conrad Garbe.....	30	7 ".....	".....	No. 1215 Marshall ave....	Cannaker.

No. 1 CHEMICAL COMPANY.

Located on Brunswick Street, near Frederick Road.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Edward W. Steinaeker....	36	8 years 6 mos..	Captain.....	No. 5 Brunswick st.	Hostler.
John A. Epp.....	34	3 " 10 "	Hostler.....	No. 434 Frederick ave....	Cabinetmaker.
Antone Yienger.....	31	7 " 6 "	Pipeman.....	No. 114 Millington ave....	Candy maker.

No. 2 CHEMICAL COMPANY.

Located on Mary Street, near Retreat Street.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
James K. Merriken.....	33	8 years 5 mos..	Captain.....	No. 3019 Pennsylvania ave	Driver.
Christian Freyer.....	37	3 " 8 "	Hostler.....	No. 2013 Walbrook ave...	Blacksmith.
John M. Gilleland.....	29	1 " 8 "	Pipeman.....	No. 1301 Winchester st....	Driver.

No. 3 CHEMICAL COMPANY.

Located at No. 18 Engine House, Twenty-first Street, near Oak Street.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
James A. Clark.....	32	5 years 4 mos..	Captain.....	No. 320 W. Twenty-first st.	Car driver.
James B. Kelly.....	39	10 " "	Hostler.....	No. 559 Laurens st.....	Driver.
Charles M. Johannes....	30	1 " 10 mos.	Pipeman.....	No. 2034 Jefferson place..	Stonecutter.

No. 4 CHEMICAL COMPANY.

Located at Waverly.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
William H. Taylor.....	35	8 years.....	Captain.....	No. 3108 York road.....	Conveyancer.
William Lamb.....	34	2 " 4 mos..	Hostler.....	No. 156 old York road....	Car driver.
James Hart.....	40	1 " "	Pipeman.....	No. 122 old York road....	Carpenter.

No. 5 CHEMICAL COMPANY.

Located at Homestead.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Robert H. Dougherty....	39	8 years	Captain.....	No. 1423 E. Townsend st..	Undertaker.
Henry J. Linck.....	44	1 " 10 mos..	Pipeman.....	No. 21 Taylor st.....	Butcher.
Ambrose Spangler.....	31	1 " 19 days..	Hostler.....	No. 18 Gorsuch ave.....	Driver.

No. 6 CHEMICAL COMPANY.

Located on Belair Avenue.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
John A. McKew	29	3 years 7 mos..	Captain.....	No. 1709 E. Madison st. ...	Machinist.
Frank Doever.....	31	1 " 9 " ..	Hostler.....	No. 1419 N. Chester st....	Driver.
Zachariah H. Foote.....	32	4 " 10 " ..	Pipeman.....	No. 68 Belair ave.....	Moulder.

No. 7 CHEMICAL COMPANY.

Located corner Roland Avenue and Oliver Place.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
James J. Reynolds.....	38	7 years 5 mos..	Captain	No. 431 Roland ave.....	Car driver.
James L. Clarken	38	8 " 5 "	Hostler.....	No. 226 Hickory ave.....	Driver.
John L. Thomas	28	4 " 6 "	Pipeman.....	No. 295 Chestnut ave.	Blacksmith.

No. 7 HOOK AND LADDER COMPANY.

Located at Waverly.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
Andrew J. McCormick....	37	6 years	Hostler.....	No. 503 Friendship lane...	Car driver.

No. 8 HOOK AND LADDER COMPANY.

Located on Brunswick Street, near Frederick Road.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
John L. Durham.....	33	7 years 7 mos..	Hostler.	No. 109 Millington ave....	Driver.

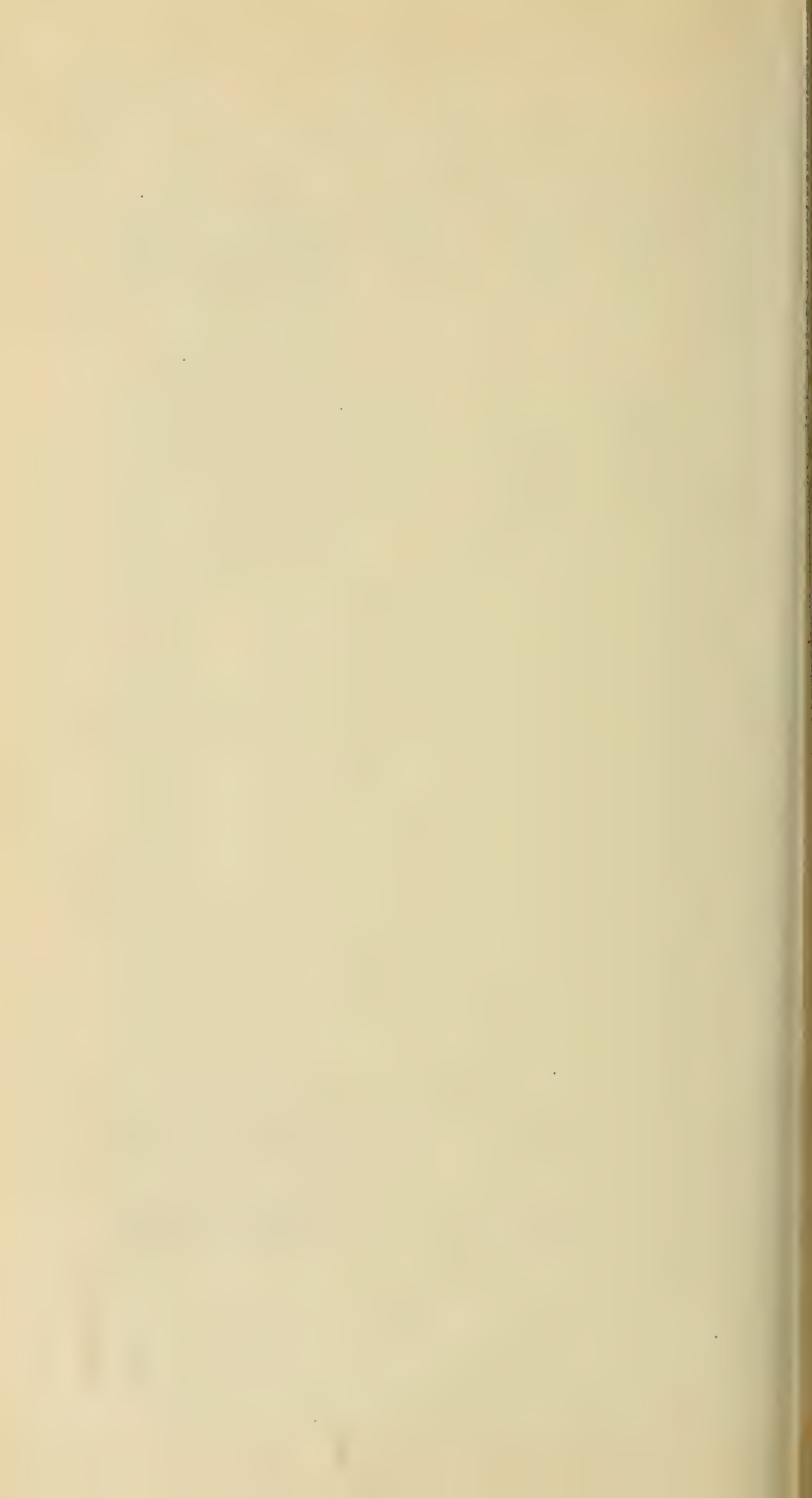
No. 9 HOOK AND LADDER COMPANY.

Located corner Roland Avenue and Oliver Place.

NAME.	AGE.	TIME OF SERVICE.	POSITION.	RESIDENCE.	FORMER OCCUPATION.
John W. Schaffer.....	30	3 years 11 mos.	Hostler.....	No. 304 Elm ave.....	Moulder
John R. Miller.....	26	1 " 9 "	Ladderman.....	No. 727 Third ave.....	Carpenter.....

PROBATIONARY FIREMEN.

NAME.	AGE.	TIME OF SERVICE.	COMPANY Assigned to.	RESIDENCE.	FORMER OCCUPATION.
James B. Courtney.....	23	18 days.....	No. 1 Engine....	No. 1602 McDerry st....	Plumber.
William Landefeld.....	32	18 "	" 3 "	No. 405 N. Patterson Pk ave	Clothing cutter.
Joshua O. Bruff.....	38	18 "	" 4 "	No. 523 N. Chester st.....	Tailor.
John J. McCarthy.....	26	3 years 5 mos..	" 9 "	No. 869 Hollins st.....	Horseshoer.
William A. Bush.....	31	15 days.....	" 13 "	No. 2024 W. Lexington st.	Bricklayer.
Henry Meil.....	23	16 "	" 15 "	No. 1715 Barnes st.....	Carpenter.
Frederick J. Stroehlein..	24	16 "	" 15 "	No. 1913 Orleans st.....	Clerk.
Q. A. G. Hughes.....	34	18 "	" 1 H. & L....	No. 1819 Fairmount ave..	Freight handler.
John I. Buck.....	27	18 "	" 2 "	No. 1617 Harford ave.	Bricklayer.
John Grasmick.....	23	8 "	" 11 Engine....	No. 1909 Canton ave.....	Carpenter.



FIRE RECORD.

1896.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
<i>January.</i>										
Wed. 1.....	153.....		7.10	1415 Eastern ave.	Joseph Swinski.	Dwelling.	3, 5	3	Three-story brick	Loss, \$228.25. Recall 8.04 p.m.; explosion of a coal oil lamp.
Thurs. 2.....	183.....		7.15	2805-2807 Hudson street.	Eugene Fisher.	Dyeing works.	3, 4, 5	1, 3, 5	Two-story brick.	Recall 8.45 p.m.; cause unknown.
2d alarm.			7.33				6, 9, 11			
Thurs. 2.....	329.....		8.38	S. W. cor. St. Mary st. and Druid Hill ave.	St. Mary's Semi-Seminary.		1, 7	10	Four-story brick.	Loss, \$25. Recall 10.33 p.m.; heat from furnace.
Thurs. 2.....	43.....		10.33	S. W. cor. Greene and Lombard sts.	University of Hospital. Maryland.		10, 15	2	Four-story brick.	Loss, none. Recall 10.45 p.m.; grease boiling over.
Fri. 3.....	395.....		2.05	424 Hickory ave., Annex.	C. E. Johnson.	Dwelling.		9	Two-and-a-half story frame.	Loss, \$29. Recall 2.41 p.m.; defective flue.
Fri. 3.....	387.....		5.57	2812 Pennsylvania avenue extended, Annex.	Charles W. Street	Slaughter house.			Two-story brick.	Loss, none. Recall 6.08 p.m.; foul chimney.
Sat. 4.....	263.....		12.19	1509 E. Hoffman st	Wm. H. Banks.	Dwelling.		5	Two-story brick.	Loss, \$23. Recall 12.32 p.m.; unknown.
Sat. 4.....	314.....		12.28	213 W. Franklin st.	Mary M. Webb.	Dwelling.	7		Three-story brick	Loss, \$36.30. Recall 12.36 p.m.; explosion of a coal oil stove.
Sat. 4.....	535.....		1.13	1435 Ward street.	Wm. H. Battee.	Dwelling.	10	6	Three-story brick	Loss, \$80. Recall 1.46 p.m.; burning soot falling into cellar.
							482			

.....	9.09	near 112 N. Charles Jeffers & Rogers, Photograph 4 street.				.....	Three-story brick Loss, none. Recall 5.13 p.m.; thawing water-pipe.
Sat. 4.....	373	11.06	1315 N. Fremont Theodore Klein, Saloon and 13 dwelling.			10	Three-story brick Loss, \$370.69. Recall 11.55 p.m.; heat of coal oil stove.
Sun. 5.....	621	10.45	North side of Cross A. J. Reeder, Mill.	1, 2, 12		2, 6	One-story frame, Loss, \$3,657.47. Recall 5.20 a.m., January 6; unknown.
Mon. 6 ...	413	4.35	226 W. Fayette st. Louis Distefano, Saloon and 1 dwelling.	Chem. 15		2	Two-and-a-half story brick. Loss, \$125. Recall 4.45 a.m.; incendiary.
Mon. 6 ...	324	8.39	1000 Druid Hill ave. T. W. Banks, Grocery store 7, 13 and dwelling	7, 13		4	Three-story brick Loss, \$1,254.10. Recall 9.01 a.m.; upsetting coal oil stove.
Mon. 6 ...	321	1.51	404 N. Greene st. G. A. Theide, Grocery store.	1, 7		4	One-story brick. Loss, \$377.24. Recall 2.01 p.m.; upsetting coal oil stove.
Mon. 6 ...	545	8.57	1023 Cross street. George Salicium, Pigeon coop.	10		.....	One-story frame, Loss, \$15. Recall 9.09 p.m.; explosion of coal oil lamp.
Mon. 6 ...	159	5.45	1716 Canton ave. John H. Hauck, Barber shop and dwelling	.....		3	Three-story brick Loss, \$199.50. Recall 5.56 p.m.; coal oil heating stove.
Mon. 6 ...	342	9.43	Bolton yard, Oliver N. C. R. Co. Shed (one story).	18		.....	One-story frame, Loss, \$75. Recall 9.56 p.m.; overheated stove.
Mon. 6 ...	321	10.25	504 Pennsylvania Chas. J. Voneiff, Warehouse.	1, 7, 8		4	Three-story and Loss, \$2,576.54. Recall 2.38 a.m., January 7; unknown.
Wed. 8 ...	31	1.42	358 N. Calvert st. Catherine Boyd, Saloon and dwelling.	4, 6		1	Three-story brick Loss, \$1,376.16. Recall 2.35 a.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How Occupied.	ENGINES IN SERVICE.	H & L IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Wed. 8.	271	3.21		1006-1008 street.	Durham Chas. Pelkat and J. Sekratora.	Shed and kitchen.	9	5	One-story frame.	Loss, \$159.25. Recall 3.37 a.m.; pouring coal oil on a lighted fire.
Wed. 8.	214	3.35		404 Necessity alley.	Unoccupied.	Dwelling.	3, 4	1	Two-story brick.	Loss, \$18.27. Recall 3.51 p.m.; unknown
Wed. 8.	48	9.16		Rear of 38 Wilkens street.	Eigenbrot Brew- ing Co.	Brewery.	1, 7, 8, 10, 13, 14, Chem. 1	2, 8, 10	Two and three story brick.	Loss, \$16,533.94. Re- call 5.18 a.m., Jan- uary 9; unknown.
Wed. 8.	492	9.36		Sounded for same fire as Box 48.						Recall 1.52 a.m., Jan- uary 9. Preceding fire.
Thurs. 9.	442	4.59		702 Raborg street.	Lilly Belmont.	Dwelling.			Three-story brick	Loss, \$20. Recall 5.07 p.m.; lighted cig- arette thrown on chair.
Thurs. 9.	366	8.32		1705 Druid Hill avenue.	B. F. Schaum.	Dwelling.	7, 13	4	Three-story brick	Loss, \$1,344.53. Re- call 11.20 p.m.; evergreens falling on lighted gas jet.
Fri. 10.	39	1.43		S. E. cor. Penn- sylvania ave. and Cumberland st.	B. C. P. R. W. Co.	Stable.	Chem. 2		One-story frame.	Loss, \$5. Recall 1.53 p.m.; boys smoking in stable.
Fri. 10.	535	7.24		1231 Bayard street.	Theresa Helling.	Dwelling.	10		Two-story brick.	Loss, \$44. Recall 7.47 p.m.; unknown.

Sat. 11....	243	5.37	633 Ensor street.	Henry Nagle.	Store and dwelling.	6	.....	Three-story brick Loss, \$38.63. Recall ignited by gas jet. Evergreen Loss, none. Recall 10.28 p.m.; false alarm.
Sat. 11....	244	10.23	.....	.....	.....	.....	.....	.....
Sat. 11....	531	9.48	809 Ringgold street.	George Steggard.	Dwelling.	10 Chem. 15	2	Two-story brick. Loss, \$85. Recall 10.05 p.m.; overheated stove.
Mon. 13..	12	12.02	18 S. Gay street.	Elizabeth F. Coulter.	Dwelling.	4	1	Three-story and attic brick. Recall 12.12 a.m.; over- heated stove.
Mon. 13..	214	5.32	120 N. Exeter street.	Isaac Plennis.	Dwelling.	.....	.....	One-story brick. Loss, \$17. Recall 5.59 p.m.; unknown.
Mon. 13..	517	6.32 7.15	S. W. cor Bayard and Russell Sts.	Swindell Bros.	Storage shed.	1, 2, 8 10, 12, 15	2, 6 F. W. "D"	One-story frame. Loss, \$80,756.32. Re- call 3.44 a.m., Jan- uary 14; sparks from forge.
Tues. 14..	519	2.28 2.35	712 W. Cross street. 714 W. Cross street.	John Walsh. August L. Fay.	Dwelling. Dwelling.	14, 15, 17 2d Section	1, 4	Two-story brick. Loss, \$2,261.92. Re- call 5.20 a.m.; un- known.
Tues. 14..	613	5.13	1043 Maldeis street. 813 Covington st.	Mary Mitchell. James Gallagher.	Store. Dwelling.	15 6	5	Three-story brick Three-story brick Loss, \$125.90. Recall 5.40 a.m.; defective flue.
Tues. 14..	365	10.34	929 Pennsylvania avenue.	Chas. Engleback.	Bakery and dwelling.	7, 13	10	Three-story brick Loss, \$130.40. Recall 10.49 a.m.; un- known.
Wed. 15..	153	.....	1530 Canton ave.	Abraham Good- man.	Dwelling.	3, 5, 9, 11	3	Two-story and attic frame. Loss, \$1,171.85. Re- call 9.14 p.m.; over- heated stove.
Wed. 15..	68	7.24	2031 Johnson st.	Wm. H. Weaver.	Stable.	12	6	One-story frame. Loss, \$120. Recall 8.45 p.m.; in- cendiary.
Thurs. 16.	212	2.22	19 Centre Market Space.	John Dalrymple.	Junk shop.	3, 4	1	Two story and attic brick. Loss, \$10. Recall 2.30 a.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box.	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	H. & L.	Service.	Style of Building.	Remarks.
Sat. 18.....	247	8.22	578 N. Gay street.	Charles Bauer.	Store and dwelling.	6	.....	.....	Three-story brick Loss, \$255. Recall 8.28 p.m.; unknown.	.....	.....
Sat. 18.....	244	10.32	846 Harford ave.	M. J. Fitzpatrick.	Saloon and dwelling.	.....	.....	.....	Two-story brick. Loss, none. Recall 10.40 p.m.; unknown.	.....	.....
Sun. 19....	327	12.25	1633 Madison ave.	J. H. Beckley.	Drug store and dwelling.	7, 13	.....	4	Three-story brick Loss, \$2,145.95. Recall 12.47 a.m.; unknown.	.....	.....
Sun. 19....	25	1.40	1001 Guilford ave.	Unoccupied.	Dwelling.	.....	.....	5	Two story and Loss, none. Recall 1.52 a.m.; unknown.	.....	.....
Sun. 19....	221	2.27	212 and 214 Holli- day street.	Southern Electric Light Co.	Dwellings.	3, 4, 6	.....	1, 2	Three-story brick Loss, \$2,542.39. Recall 3.45 a.m.; unknown.	.....	.....
Sun. 19....	413	.....	203 N. Liberty st.	Travelers' Club.	Dwelling.	.....	.....	2	Three-story brick Loss, \$90.69. Recall 3.14 a.m.; upsetting coal heating stove.	.....	.....
Sun. 19....	336	.....	321 N. Howard st.	Wm. Pothast & Bro.	Store and dwelling.	.....	.....	2	Three-story brick Loss, \$133. Recall 6.07 p.m.; overheated stove-pipe.	.....	.....
Sun. 19....	425	.....	1000 Hollins street.	John R. Veasel.	Saloon and dwelling.	8	.....	2	Three-story brick Loss, \$83.25. Recall 8.50 p.m.; explosion of coal oil lamp.	.....	.....
Sun. 19....	394	.....	405 Third avenue, Annex.	Louis Hochman.	Tailor store and dwelling.	Chem. 3, 4	.....	.....	Two-story brick. Loss, \$729.08. Recall 9.32 p.m.; unknown.	.....	.....

Mon, 20 ...	419	8.47	207 and 209 N. Eu. Gustave Froelich taw street.	Dry goods and notion store.	2	Two-story brick. Loss, \$190. Recall 8.54 p.m.; spark from electric lamp.
Tues, 21 ...	413	5.01	210 W. Fayette st.	Chinese club- house.	.....	Three-story brick Loss, none. Recall 5.05 a.m.; unneces- sary alarm caused by firing shooting crackers. False alarm.
Tues, 21 ...	484	9.19	N. side of Frederick ave. W. of Gwynns Falls, Annex.	City House of Refuge for boys	8	Two-story stone. Loss, \$215. Recall 10.02; incendiary.
Wed, 22 ...	46	2.22	3 Vincent alley.	Lizzie Williams.	14	Two-story brick. Loss, \$36.50. Recall 2.40 a.m.; un- known.
Thurs, 23 ...	423	.....	655 Raborg street.	Tina Patterson.	2	Two and a half story brick. Loss, \$12. Recall 1.23 p.m.; electric light wire.
Fri, 24 ...	162	2.08	709 S. Wolfe street. 711 S. Wolfe street. 713 S. Wolfe street. 715 S. Wolfe street.	Margaret Cash. Frank Palasik. Michael Weber. Peter Zervinsker	3	One-story frame. Loss, \$224.60. Recall 4.16 a.m.; un- known.
Sat, 25 ...	464	8.01	1511 W. Lombard st	John E. Spurrier. Dwelling.	10	One-story frame. Three-story brick Loss, \$160. Recall 8.30 a.m.; lighted match thrown be- hind washstand.
Sat, 25 ...	353	.....	1501 Mt. Royal ave	John Scherer.	.....	Three-story brick and stone. Loss, \$35. Recall 2.19 p.m.; over- heated hearth.
Sat, 25 ...	327	.....	1701 Linden ave.	Miss Dollie Ful- ton.	4	Three-story brick Loss, \$3,036.21. Re- call 1.03 a.m., Jan. 26, overheated fur- nace.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L.	SERVICE.	STYLE OF BUILDING.	REMARKS.
Mon. 27 .. 181			2.50	1100 Robinson st.	Frank Price.	Dwelling.				Two-story brick.	Loss, \$37. Recall 2.59 p.m.; tar boiling over.
Mon. 27 .. 398			3.45	Charles street ave. near Merryman's lane. Annex.	William Wynan Farm.		18, Chem. 3, 4, 5	9			Loss, \$16. Recall 6 p.m.; unknown.
Tues. 28... 365			12.09	911 Elm Place.	James Quickley.	Dwelling.	7	4		Three-story brick	Loss, \$146.53. Recall 12.21 p.m.; over-heated stove.
Wed. 29.. 63			6.31	1444 Light street.	John F. Smith.	Store and dwelling.	12			Three-story brick	Loss, \$128.24. Recall 6.41 a.m.; upsetting coal oil lamp.
Wed. 29.. 12			8.52	107 N. Gay street.	Joseph Hancock.	Saloon and dwelling.	4	1		Three-story brick	Loss, none. Recall 8.59 p.m.; unknown
Wed. 29 ... 238			8.53								Loss, none. Recall 9.05 p.m.; false alarm.
Fri. 31... 248			1.01	449-451 North st.	Wm. B. O'Con-Manufactory.		1, 3, 4	1, 4		Double three-story brick.	Loss, \$1,752.04. Recall 2.57 p.m.; unknown.
2d alarm.			1.11		nor & Co.		6, 7, 9				
Fri. 31.... 425			1.27	921 W. Baltimore st.	Louis L. Braeger.	Dry goods store and dwelling	8	2		Three-story brick	Loss, \$263. Recall 1.47 a.m.; over heated furnace.
Fri. 31.... 442 10.21				648 W. Fayette st.	John H. Wilson.	Dwelling.		2		Three-story brick	Loss, \$73.50. Recall 10.29 a.m.; over-heated stove.

Sun. 2....	152.....	7.01	223, 225 and Dallas street.	227 Margaret Morris, Hy. Lingleback, Charles Clarke, George Deems,	Dwelling. Dwelling. Dwelling. Dwelling.	3, 5, 11	3	Two-story brick. Two-story brick. One-story frame. Three-story brick	Loss, \$517.47. Recall 8.20 p.m.; explosion of gasoline stove. Recall \$388.37. Recall 6.00 a.m.; defective flue. Loss, \$30. Recall 9.30 a.m.; over heated stove.
Mon. 3....	464	4.40	..... 313 S. Stricker st.			8, 10, 14	10		
Mon. 3....	336	9.21	..... 309 W. Franklin st.	Henry S. Sohl.	Store and dwelling.	7	4	Three-story brick	
Mon. 3....	364	.....	1.48 917 Pear alley.	Ella Wittington.	Dwelling.	7, 13	4	Two-story brick.	Loss, \$237.62. Recall 2.19 p.m.; unknown
Mon. 3....	216	.....	8.50 1110 Thompson st.	Albert Scoot.	Dwelling.	.....	.....	Two-story and attic brick.	Loss, \$25. Recall 8.55 p.m.; explosion of coal oil lamp.
Tues. 4....	519	1.28	..... S. E. cor. Warner Baltimore and Wooster sts.		Factory.	2, 10, 15	6	One-story frame.	Loss, \$4,281.25. Recall 7.30 a.m.; unknown.
Wed. 5....	512	.....	6.48 125 S. Charles st.	Wm. H. Sheets, Jr., & Co.	Manufactory.	Chem. 15	1, 2	Four-story brick.	Loss, \$1,731.28. Recall 7.15 p.m.; brushes falling on gas stove.
Thurs. 6....	31	.....	6.58 336 and 338 North S. D. Warfield street.		Machine shop.	4	1	Three-story brick	Loss, \$10. Recall 7.09 p.m.; explosion of gas.
Fri. 7....	12	.....	3.08 27 S. Gay street.	Smith, Hender-son & Co.	Warehouse.	3, 4, 6	1	Four-story brick.	Loss, \$17. Recall 3.16 p.m.; spontaneous combustion
Fri. 7....	394	.....	7.34 Third and Roland J. P. Benson avenues, Annex, Son.		& Grocery store.	.....	.....	Three-story brick	Loss, none. Recall 7.50 p.m.; turpentine upset on a lighted lamp.
Sat. 8....	418	.....	8.27 S. E. cor. Lexington and Entw' streets.	David Bachrach, Photo. and art gallery.	Photo. and art gallery.	1, 15 Chem. 15	2	Four-story brick.	Loss, \$1,314.05. Recall 8.50 p.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	IN H Z	STYLE OF BUILDING	REMARKS.
Sun. 9.	493		10.45							Loss, none. Recall 11.04 p.m.; electric wire falling across alarm wire. False. Loss, none. Recall 10.58 p.m.; electric wire falling across alarm wire. False. Recall 1.09 a.m.; unknown. Loss, \$22. Recall 5.30 a.m.; unknown. Loss, \$95. Recall 5.30 a.m.; unknown. Recall 4.30 a.m.; overheated stove. Recall 8.20 p.m.; explosion of coal oil lamp. Recall 10.40 p.m.; defective flue.
Sun. 9.	517		10.48							
Tues. 11 . . .	143	12.56		1111 Philpot street.	Max Rumbrow.	Stable.	3	3	Two-story brick.	Loss, \$22. Recall 1.09 a.m.; unknown.
Tues. 11 . . .	27	4.50		713 Dallas street. 715 Dallas street. 717 Dallas street.	Frederick Lang. Elizabeth Brady. William Winston	Sheds. Sheds. Sheds.	6. 9	5	One-story frame.	Loss, \$95. Recall 5.30 a.m.; unknown.
Wed. 12 . . .	623	3.16		708 S. Charles street	Simon Bank.	Tailor shop.	2 Chem. 15	6	Three-story brick	Loss, \$790.97. Recall 4.30 a.m.; overheated stove.
Wed. 12 . . .	272	8.55		1806 E. Biddle st.	John Kraka.	Dwelling and bakery.	and 9		Three-story brick	Loss, \$67.40. Recall 9.15 a.m.; children playing with matches.
Wed. 12 . . .	348		8.10	1753 Guilford ave.	William Montgomery.	Dwelling.			Three-story brick	Loss, \$20. Recall 8.20 p.m.; explosion of coal oil lamp.
Wed. 12 . . .	391		9.06	Druid Hill Park, Annex.	George Irvin.	Mansion house	Chem. 2	10	Two-story frame.	Loss, \$266.25. Recall 10.40 p.m.; defective flue.

Wed. 12...	247	11.30	588 N. Gay street.	J. D. Ernsberger.	Photo. and art studio.	5	Three-story brick	Loss, \$394.90. Recall 12.47 a.m., February 13; unknown.
Thurs. 13.	427	5.40	231 N. Greene st.	Dr. Frank Lewis.	Dwelling.	1	Three-story brick	Loss, \$168.50. Recall 5.53 a.m.; overheated furnace.
Fri. 14.	435	2.10						Loss, none. Recall 2.19 a.m.; crossing of alarm wires.
Sat. 15.	527	6.01	309 W. Pratt street.	Antone Szmecis.	Store and dwelling.	2, 15 Chem. 15	Three-story brick	Loss, \$357.65. Recall 6.21 p.m.; explosion of a gasoline stove.
Sat. 15.	484	5.42	27 Brunswick st. Annex.	George J. Carl.	Dwelling.	1 Chem.	Two-story frame.	Loss, \$15. Recall 5.54 p.m.; explosion of a gasoline stove, burning Mrs. Carl; died from effect.
Sat. 15.	213	6.48	314 N. Front st.	William Rider.	Saloon and dwelling.		Two-story brick.	Loss, none. Recall 6.56 p.m.; false alarm.
Sun. 16.	454	4.12	625 N. Schroeder st.	John F. Wilson.	Dwelling.	8	Two-story brick.	Loss, \$19. Recall 4.20 p.m.; child playing with matches.
Sun. 16.	421	8.34	681 Josephine st.	Sally Kneff.	Dwelling.	1	Three-story brick	Loss, \$70. Recall 8.43 p.m.; unknown.
Mon. 17	423	6.51	651 W. Baltimore st.	James Donahue.	Club and cigar store.	2, 4 Chem. 15	Three-story brick	Loss, \$350. Recall 7.24 a.m.; unknown.
Mon. 17	427	3.20	208 N. Greene st.	Sarah Allen.	Dwelling.	1	Three-story brick	Loss, \$20. Recall 3.26 p.m.; overheated stove.
Mon. 17	15	7.49	1617-1619 Eastern avenue.	George Wolfel.	Manufactory.	2, 3, 4, 5, 6, 9, 11, 15 W. T.	Four-story brick.	Loss, \$4,744.46. Recall 4.40 a.m., February 18; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	Locality.	Occupant.	How Occupied.	Engines in Service.	Fire Engine No.	Style of Building.	Remarks.
Mon. 17	328	.....	11 24	563 Mosher street.	H. Page.	Dwelling.	13	10	Two-and-a-half story brick.	Loss, none. Recall 11:32 p.m.; fire on open hearth.
Tues. 18	354	12 58	...	1319 Park avenue.	Sidney Hall.	Dwelling.	7	10	Three-story brick	Loss, \$65.50. Recall 1.42 a.m.; over- heated grate.
Tues. 18	271	7 09	.....	824 Washington st.	Henry Schaefer.	Dwelling.	9	.....	Two-story brick.	Loss, \$96.95. Recall 7.22 a.m.; explosion coal oil stove.
Tues. 18	327	10 41	.....	1612 Eutaw Place.	Mary Hartman.	Dwelling.	7	.....	Three-story brick mansion.	Loss, \$23.70. Recall 11.07 a.m.; over- heated furnace.
Tues. 18	452	.....	7 48	228 Vincent alley.	Maggie Evans.	Dwelling.	14	10	Two-story brick.	Loss, \$35. Recall 8.02 p.m.; child playing with matches.
Tues. 18	6	.....	8 53	223 W. Pratt street.	Joseph Bulack.	Restaur ant and lodging house.	2, 3, 4, 15	1, 2	Four-story brick.	Loss, \$2,161.17. Un- known.
Tues. 18	353	.....	10 37	1903 Mt. Royal ave.	Andrew Conlon.	Dwelling.	18	.....	Three-story brick	Loss, \$50. Recall 11.22 p.m.; unknown.
Wed. 19	349	4 10	.....	13 W. Twenty-fifth street, Annex.	J. B. Brown.	Dwelling.	18 Chem. 3	5	Three-story brick	Loss, \$1,069.60. Re- call 6.00 a.m.; over- heated furnace pipe.
Wed. 19	484	10 22	.....	748 Frederick ave. nue, Annex.	Harry Bender.	Dwelling.	.....	8	Two-story frame.	Loss, none. Recall 11.05; burning chimney.

..... 20. 00	4.02	206 W. Biddle st.	Lizzie Crawley,	Dwelling.	.....	4	Three-story brick Loss, \$20. Recall 4.59 p.m.; burning chimney.
Thurs. 20	3.41	1214 N. Charles st.	Edwin Howland,	Dwelling.	.....	4	Four-story brick. Loss, none. Recall 8.12 p.m.; burning chimney.
Fri. 21	2.09	6.02 8 W. North avenue, Annex.	Horace Noble,	Dwelling.	18 Chem. 3	5	Three-story brick Loss, \$3,854.80. Recall 7.48 p.m.; unknown.
Fri. 21	1.57	7.20 817 and 819 S. Dallas street.	John H. Thie-Storage house. meyer.		3, 5	3	Two story brick Loss, \$10. Recall 8.16 p.m.; unknown.
Fri. 21	3.24	10.31 1020 McCulloh st.	Elizabeth Ball,	Dwelling.	7	4	Four-story brick. Loss, \$40. Recall 10.41 p.m.; lighted candle ignited bed.
Sat. 22	188 12.16 12.39	1237 Haw street.	Jos. Leudowski,	Dwelling.	3, 4, 5, 6 9, 11, 16	1, 3, 5	Two-story brick. Loss, \$5,044.33. Recall 6.08; unknown
		1239 Haw street.	William Kraus,	Dwelling.	.....	.....	Two-story brick.
		1241 Haw street.	S. Buschesling.	Dwelling.	.....	.....	Two-story brick.
		1243 Haw street.	Henry Maliziski,	Dwelling.	.....	.....	Two-story brick.
		1245 Haw street.	Michael Rabiski,	Dwelling.	.....	.....	Two-story brick.
		1247 Haw street.	Thomas Philip,	Dwelling.	.....	.....	Two-story brick.
		1249 Haw street.	Joseph Guny,	Dwelling.	.....	.....	Two-story brick.
		1251 Haw street.	Andrew Abel,	Dwelling.	.....	.....	Two-story brick.
		1253 Haw street.	Joseph Banaslek,	Dwelling.	.....	.....	Two-story brick.
		1238 Canton ave.	Matt. Lubinski,	Dwelling.	.....	.....	Two-story brick.
		1240 Canton ave.	Stan. Wisenscki,	Dwelling.	.....	.....	Two-story brick.
		1242 Canton ave.	Stanislaus Bruski	Dwelling.	.....	.....	Two-story brick.
		1244 Canton ave.	Altra Nosek,	Dwelling.	.....	.....	Two-story brick.
		1246 Canton ave.	Unoccupied.	Shed.	.....	.....	One-story frame.
		1248 Canton ave.	Unoccupied.	Shed.	.....	.....	One-story frame.
		1250 Canton ave.	Unoccupied.	Shed.	.....	.....	One-story frame.
Sat. 22	3.5 10.02	239 W. Biddle st.	W. H. Snowden,	Dwelling.	.....	4	Three-story brick Loss, \$10. Recall 10.11 a.m.; unknown.
Sat. 22	2.21	5.25 309 North street.	Charles Heesch,	Factory.	4	1	Three-story brick Loss, \$935. Recall 5.35 p.m.; overheated stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H & I	SERVICE	STYLE OF BUILDING.	REMARKS.
Sat. 22	273	.....	10.32	Rear 1603, 1605 and 1607 Castle street.	Henry Emerich, Mrs. Emerich.	Stable.	9, 19	5	One-story frame.	Loss, \$280.74. Recall 12.30 a.m., Febru- ary 23; unknown. Pulled for preceding fire. Recall.
Sat. 22	731	10.33
Sun. 23	285	12.05	.....	Rear of 230 Gorsuch avenue, Annex.	George Schlissler	Stable.	18 Chem. 4, 5, 6	7	Two-story frame.	Loss, \$256.38. Recall 1.25 a.m.; unknown.
Sun. 23	345	8 21	.....	1806 N. Charles st.	Jas. R. Armiger.	Dwelling.	7, 18, 19 Chem. 3, 4	5	Four-story mar- ble.	Loss, \$7,547.47. Re- call 2.15 p.m.; over- heated furnace pipe; several members of the family were suf- focated in the above fire; Mrs. Armiger was rescued by 3d Dist. Eng. William C. McAfee.
Sun. 23	165	.....	1.28	1531 E. Baltimore st.	H. Y. M. Associa'n	Club house.	.....	.....	Three-story brick	Loss, none. Recall 1.33 p.m.; hot ashes
Sun. 23	353	.....	7.05	A lot W. of North ave. bridge.....	Traction R. W. Co	Enclosed shed.	Chem. 3	4	One-story frame.	Loss, \$40. Recall 7.19 p.m.; unknown.
Mon. 24	312	9.34	.....	209 N. Liberty st.	William A. Tietz.	Dwelling.	.....	.....	Two-story frame.	Loss, \$71.17. Recall 9.48 a.m.; hot coals dropped from stove

Mon. 24 . . . 216	10.45	1419 Jefferson st.	John W. Jones.	Barber shop and dwelling	6, 9	1	Two story and attic brick.	Three-story brick p.m.; treading on parlor match. Loss, \$122.09. Recall 11.01 p.m.; un- known.	Loss, \$10. Recall 12.01 p.m.;
Tues. 25 . . . 493	2.26	2710 Lafayette ave., Annex.	J. R. Wood.	Dwelling.	.....	8	Double two-story frame.	Double two-story p.m.; overheated range. Loss, \$20. Recall 3.09 p.m.;	Loss, \$20. Recall 3.09 p.m.; overheated range.
Tues. 25 . . . 215	2.34	208 Lewis street.	Stephen Watkins.	Dwelling.	3, 6	1	Two story and attic brick.	Two story and attic brick. Loss, \$39.41. Recall 2.44 p.m.; unknown	Loss, \$39.41. Recall 2.44 p.m.; unknown
Tues. 25 . . . 291	7.29	7 Frisby st., Annex.	Joseph Brooks.	Dwelling.	.....	.....	Two-story frame.	Two-story frame. Loss, none. Recall 7.53 p.m.; burning chimney.	Loss, none. Recall 7.53 p.m.; burning chimney.
Wed. 26 . . . 391	7.47	2501 Francis street, Annex.	Mrs. S. Gumpman	Grocery store and dwelling	.....	.....	Three-story brick	Three-story brick Loss, none. Recall 8.10 p.m.; smoke issuing from stove.	Loss, none. Recall 8.10 p.m.; smoke issuing from stove.
Thurs. 27. 143	9.17	117 S. Spring street.	Monument Dong- willon.	Dwelling tenement.	3	3	Three-story brick	Three-story brick Loss, \$85. Recall 9.25 p.m.; children play- ing with matches.	Loss, \$85. Recall 9.25 p.m.; children play- ing with matches.
Thurs. 27. 232	12.03	224 N. Bond street.	Frederick Simon.	Confectionery and dwelling	.....	.....	Three-story brick	Three-story brick Loss, \$10. Recall 12.10 p.m.; explosion gas- oline stove.	Loss, \$10. Recall 12.10 p.m.; explosion gas- oline stove.
Thurs. 27. 326	3.42	1541 Pennsylvania avenue.	John J. Pfister.	Dwelling.	13	4	Three-story brick	Three-story brick Loss, none. Recall 3.52 p.m.; unknown	Loss, none. Recall 3.52 p.m.; unknown
Thurs. 27. 412	6.46	6 McClellans alley.	Mrs. Isabel Irwin	Bottling estab- ment.	1, 7 Chem. 15	2	Three-story brick	Three-story brick Loss, \$799.75. Recall 7.48 p.m.; unknown	Loss, \$799.75. Recall 7.48 p.m.; unknown
Thurs. 27. 431	10.23	784 W. Pratt street.	Mantley & How- ard.	Coal and wood yard.	.....	.....	.....	Loss, none. Recall 10.53 p.m.; hot coals in barrel.	Loss, none. Recall 10.53 p.m.; hot coals in barrel.
Fri. 28. . . . 177	6.20	10 N. Collington avenue.	John Keating.	Dwelling.	.....	.....	Two-story brick.	Two-story brick. Loss, \$10. Recall 6.33 p.m.; children play- ing with matches.	Loss, \$10. Recall 6.33 p.m.; children play- ing with matches.
Sat. 29. . . . 514	4.01	416 W. Pratt street.	Otto Pasch.	Store and tenement.	1, 2, 10, 15 Chem. 15	2	Four-story brick.	Four-story brick. Loss, \$65. Recall 4.41 a.m.; unknown.	Loss, \$65. Recall 4.41 a.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H & T IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Sat. 29.	45	.....	7.45	754 W. Baltimore street.	Wm. S. Coover.	Photo. gallery.	1, 8 Chem. 15	2	Three-story brick	Loss, \$590.75. Recall 9.01 p.m.; unknown.
Sat. 29.	35	.....	10.52	906 W. Bolton st.	Thomas Johnson	Stable.	7	4	Two-story brick.	Loss, \$94.37. Recall 11.06 p.m.; unknown.
<i>March.</i>										
Sun. 1.	418	12.02	.....	306 W. Lexington street.	C. S. Rosenberg.	Store dwelling.	and 1, 15 Chem. 15	2	Three-and-a-half story brick.	Loss, none. Recall 12.36 a.m.; unknown.
Sun. 1.	159	.....	3.31	1634 Eastern ave.	Sisters of Holy Church.	Dwelling.	3	3	Three-story brick	Loss, \$25. Recall 3.46 p.m.; unknown.
Sun. 1.	39	.....	8.57	1720 N. Mount st.	James W. Gainer.	Dwelling.	.....	10	Two-story brick.	Loss, none. Recall 9.15 p.m.; burning chimney.
Sun. 1.	393	.....	10.37	2946 Cedar avenue, Annex.	Chas. Leitzinger	Store dwelling.	and Chem. 7	.....	Two-story brick.	Loss, \$27.90. Recall 11.02 p.m.; explosion of coal oil lamp.
Mon. 2.	712	12.09	.....	2946 Cedar avenue, Annex.	Chas. Leitzinger	Store dwelling.	and	9	Two-story brick.	Loss, —. Recall 12.19 a.m.; unknown.
Mon. 2.	362	2.29	.....	708 George street.	Geo. P. Castello.	Drug store dwelling.	and 8, 13 Chem. 15.	4	Three-story brick.	Loss, \$1,347. Recall 3.31 a.m.; unknown.
Mon. 2.	358	9.46	.....	1222 N. Calvert st.	Josiah Blackwell	Dwelling.	.....	5	Four-story brick.	Loss, none. Recall 10.05 a.m.; burning chimney.

Mon. 2 ... 265	3.00	1509 Bethel street.	John Turner.	Dwelling.	.....	5	Two-story brick.	Loss, \$35.50. Recall 3.17 p.m.; leaking gasoline stove.
Mon. 2 ... 15	3.56	415 S. Broadway.	Moses H. Whitehill.	Store and dwelling.	.....	3	Three-story brick	Loss, \$150. Recall 4.08 p.m.; bay rum falling on hot stove
Tues. 3. . . 162	11.56	Rear of 926 Fell st.	Killian & Darby.	Oyster packing house.	.....	3	Two-story frame.	Loss, \$5. Recall 12.09 p.m.; sparks from smoke-stack.
Tues. 3. . . 436	12.56	.....	.....	.....	.....	.....	.....	Loss, none. Recall 1.01 p.m.; false alarm.
Wed. 4 ... 265	10.04	Rear 1404 and 1406 N. Broadway.	Clendenin Bros.	Stable and warehouse.	9, 19 Chem. 5, 6	5	Two-story frame.	Loss, \$2,450. Recall 1.07 a.m., March 5; unknown.
Thurs. 5. . . 214	11.51	110 Chesnut street.	Jos. W. Nickson.	Dwelling.	3	1	Two story and attic brick.	Loss, \$27. Recall 11.59 a.m.; overheated stove-pipe.
Thurs. 5. . . 347	3.27	Hunter alley near Biddle street.	E. B. Bruce.	Pit.	.....	5	.....	Loss, none. Recall 3.35 p.m.; hot ashes in pit.
Thurs. 5. . . 361	6.35	631 Mulberry street	Daniel Bass.	Dwelling.	.....	.....	Three-story brick	Loss, \$44.75. Recall 6.47 p.m.; curtain ignited by gas jet.
Sat. 7. 231	5.43	Rear 619, 621, 623, 625 N. Bond st.	Williams, Hornsby & Co.	Warehouse.	3, 6, 9	3	Two-story frame.	Loss, \$494.87. Recall 7.22 a.m.; unknown.
Sat. 7. 328	1.46	507 Mosher street.	Charles Dressel. E. J. Waring.	Stable. Dwelling.	13	4	Two-story frame. Three-story brick	Loss, \$80. Recall 2.06 p.m.; overheated pipe furnace.
Sat. 7. 517	7.02	N. W. cor. Bayard and Russell sts.	Swindell Bros.	Storage house.	.....	.....	One-story frame.	Loss, none. Recall 7.12 p.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	BO X	HO UR A.M.	HO UR P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	EN GINES IN SERV ICE.	H I S T O R Y	STY LE O F B U ILD ING.	RE MARKS.
Sat. 7..	123	.....	10.03	300 E. Pratt street.	Crossmore & Jordan.	Machine sup- ply company	2, 3, 4, 6, 15	1, 3	Four-story brick.	Loss, \$1,581.46. Re- call 11.52 p.m.; un- known.
Sat. 7.....	26	.....	11.09	813 N. Gay street.	Louis Weber.	Store and dwelling.	.....	.....	Two-and-half story brick.	Loss,\$20. Recall 11.26 p.m.; explosion of a coal oil lamp.
Sun. 8....	273	1.05	.....	Rear of 1603 N. Castle street.	Annie Emerick.	Stable.	9	5	Two-story frame.	Loss,\$120. Recall 2.10 a.m.; unknown.
Sun. 8....	397	.....	7.12	632 Roland avenue, Annex.	John O. Hare.	Dwelling.	9	9	Two-story brick.	Loss, none. Recall 7.33 p.m.; burning chimney.
Mon. 9....	425	.....	1.02	946 W. Baltimore street.	John Popp.	Saloon and dwelling.	and 8	.....	Three-story brick	Loss,\$5. Recall 1.14 p.m.; overheated furnace.
Mon. 9....	152	.....	8.42	.....	.....	.....	.....	.....	.....	Loss, none. Recall 8.50 p. m.; false alarm.
Tues. 10..	164	.....	7.09	1927 Eastern ave.	Chas. E. Bennett.	Dwelling.	.....	.....	Three-story brick	Loss, none. Recall 7.20 p. m.; false alarm.
Tues. 10..	14	.....	9.06	900 E. Pratt street.	Jacob Frelander	Tenement house.	3	1	Four-story brick.	Loss,\$44.14. Recall 9.15 p. m.; un- known.
Wed. 11..	32	4.17	.....	321 St. Paul street.	J. Harvey Foote.	Dwelling.	1, 4	2	Four-story brick.	Loss,\$93.50. Recall 4.32 a. m.; un- known.

Wed. 11	1785	10 42	14 00	17 00	19 13	19 13	3	Three-story brick	Loss, \$300.44. Recall 9.41 p. m.; unknown.
Thurs. 12	34	.....	1.34	1016 St. Paul street.	F. M. Conston.	Dwelling.	7	Four-story brick.	Loss, none. Recall 1.47 p.m.; sparks from open fire.
Fri. 13	434	.....	2.57	1300 Hollins street.	George Morseberg	Grocery store and dwelling	.....	Three-story brick	Loss, \$44. Recall 3.09 p.m.; unknown.
Sat. 14	397	1.54	.....	601 Merrymans lane Annex.	Joseph Henry.	Dwelling.	18	Two-story frame.	Loss, \$3,401.23. Recall 5.16 a.m.; unknown.
Sat. 14	418	8.15	.....	603 Merrymans lane N. W. cor. Howard and Lexington sts.	Thomas J. Amoss Albert Nathans.	Dwelling. Cellar of drug store.	7	Two-story frame.	Loss, none. Recall 8.17 a.m.; false alarm.
Sat. 14	365	.....	1.57	1009 Pennsylvania avenue.	M. Sissellberger.	Dry goods store and dwelling	7, 13	Three-story brick	Loss, \$1,645.75. Recall 2.53 p.m.; overheated stove-pipe.
Sun. 15	252	8.19	.....	1322 to 1332 Greenmount avenue.	W. L. Armiger & Co.	Shaving house.	6, 19	One-story brick.	Loss, \$30. Recall 12.02 p.m.; unknown.
Mon. 16	37	3.45	.....	807 N. Arlington avenue.	Dr. Harry Hill.	Dwelling.	13	Three-story brick	Loss, \$32. Recall 4.07 a.m.; overheated furnace pipe.
Tues. 17	534	1.30	.....	1107 S. Paca street.	Steph. J. Herbert	Salon and dwelling.	10	Two-story brick.	Loss, \$95. Recall 1.44 a.m.; mice gnawing at matches.
Tues. 17	427	.....	9.22	529 W. Lexington street.	Annie Black.	Tenement house.	1, 7	Four-story brick.	Loss, \$187.96. Recall 9.41 p.m.; unknown.
Wed. 18	631	9.47	.....	S. W. cor. Hanover and West streets.	Joseph Gehring.	Store and dwelling.	.....	Three-story brick	Loss, \$201.85. Recall 9.56 a.m.; upsetting coal oil stove.
Thurs. 19	183	12.01	.....	2518 Hudson street.	John Fisher.	Shoe store and dwelling-	11	Two-story brick.	Loss, \$69.55. Recall 12.12 a.m.; overheated stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H & I IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Fri. 20....	159	6.59	.....	616 S. Broadway.	Edward Hines and others.	Laundry and tenement.	.....	.....	Three-story brick	Loss, \$24.87. Recall 7.07 a.m.; sparks from pipe.
Fri. 20....	216	.....	4.32	1101 Thompson st.	Charles Romans and others.	Dwelling.	3, 6	1	Two-story brick.	Loss, \$177.36. Recall 4.57 p.m.; children playing with matches.
Sat. 21....	157	.....	5.17	817-819 S. Dallas st.	John Thiemeyer & Co.	Shaving house.	3, 5, 11	3	Two-story brick and frame.	Loss, \$74.75. Recall 6.45 p.m.; incendi- ary.
Sun. 22....	166	.....	2.08	927 Fell street.	Jos. Shumanski.	Tenement house.	.....	3	Three-story brick	Loss, \$49.50. Recall 2.16 p.m.; unknown
Sun. 22....	521	.....	7.02	311 Hanover street.	Adam Wordysky.	Tenement house.	Chem. 15	2	Three-and-half story brick.	Loss, \$222.50. Recall 7.12 p.m.; explosion of a coal oil lamp.
Sun. 22....	352	.....	8.02	1420 Linden avenue	Mrs. E. Rasher.	Dwelling.	.....	.....	Three-story brick	Loss, \$20. Recall 8.13 p.m.; gas jet ignit- ing curtain.
Sun. 22....	423	.....	9.05	645 W. Baltimore st.	Benj. S. Fry.	Cigar factory.	1 Chem. 15	2	Three-story brick	Loss, \$37. Recall 9.13 p.m.; unknown.
Mon. 23....	365	.....	6.49	815 Pennsylvania avenue.	M. Schwartzber- ger.	Dry goods store and dwelling	.....	4	Three-story brick	Loss, \$133.50. Recall 7.10 p.m.; gas jet igniting goods.
Tues. 24..	427	3.20	.....	611 W. Lexington st	Mary Lloyd.	Grocery store and dwell-	.....	2	Three-story brick	Loss, \$17.50. Recall 3.25 a.m.; incen- diary.

Thurs. 26.	161	9.33	1919 Canton ave.	Henry Rinehart.	Dwelling.	.....	3	Three-story brick	Loss, \$15. Recall 9.47 a.m.; explosion of a gasoline stove.
Thurs. 26.	65	9.45	1709 Hanover st.	Wm. Gutterman.	Dwelling.	.....		Three-story brick	Loss, \$17.50. Recall 9.56 a.m.; explosion of a coal oil stove.
Thurs. 26.	47	.....	5.19 S. E. cor. of Fayette street and Fulton avenue.	Congregation.	Church	14	10	Two-story stone.	Loss, \$25. Recall 5.28 p.m.; fence igniting from hot ashes.
Fri. 27	471	2.17	1807 White street.	Wm. H. Stewart.	Dwelling.	8, 13, 14	1	Two-story brick.	Loss, \$164.18. Recall 3.22 a.m.; explosion of coal oil lamp.
Fri. 27	42	7.57	212 N. Paca street.	Louis Green.	Hotel.	1 Chem. 15	2	Three story and attic brick.	Loss, \$82.50. Recall 8.05 a.m.; unknown
Fri. 27.	426	.....	12.58 1054 W. Fayette st.	Amelia Jackson.	Dwelling.	14	2	Three-story brick	Loss, \$116.65. Recall 1.06 p.m.; explosion of coal oil heating stove.
Fri. 27.	326	.....	6.29 1530 Penna. ave.	Thomas Lewis.	Barber shop.	13	.....	Two-story brick and frame.	Loss, \$45. Recall 6.34 p.m.; explosion of a coal oil lamp.
Fri. 27.	214	.....	8.58 108 Chesnut street.	Joseph Nixon and others.	Tenement house.	3	1	Two-and-half story brick.	Loss, \$31. Recall 9.22 p.m.; unknown.
			110 Chesnut street.	Edwin Harris and others.	Tenement house.			Two-and-half story brick.	
Sun. 29.	273	.....	5.42 1412 N. Chester st.	Maggie Lambert.	Provision store and dwelling	9, 19 Chem. 6	5	Three-story brick	Loss, \$117.67. Recall 6.25 p.m.; unknown
Tues. 31.	393	9.12	217 Cedar avenue, Annex.	Bernard Miller.	Barber shop and dwelling	.....	.....	Three-story brick	Loss, none. Recall 9.33 a.m.; explosion of a gasoline stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	BOOK	HOUR A.M.	HOUR P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	IN L. & H. SERVICE.	STYLE OF BUILDING.	REMARKS.
Tues. 31.	217	.....	2.24	.....	.....	.....	.....	.....	.....	Loss, none. Recall 2.20 p.m.; false alarm.
<i>April.</i>										
Wed. 1	51	12.21	.....	117 Light street.	Sharp Bros.	Printing office.	2, 3, 4, 15	1, 2	Four-story brick.	Loss, \$2,062.05. Recall 1.18 a.m.; unknown.
Wed. 1	341	.....	6.49	16 E. Preston street	A. F. Leftwitch.	Dwelling.	.....	.....	Three-and-half story brick.	Loss, \$5. Recall 7.00 p.m.; gas jets igniting curtain.
Wed. 1	523	.....	7.17	317 S. Paca street.	Henry W. Smith.	Basket factory.	2	.....	Two-and-half story brick.	Loss, \$10. Recall 7.23 p.m.; unknown.
Thurs. 2.	525	.....	3.52	26 W. Pratt street.	John Brezins.	Tenement house.	2	2	Three-story brick	Loss, \$80.52. Recall 4.07 p.m.; children playing with matches.
Fri. 3.	546	.....	4.09	1016 S. Howard st.	Unoccupied.	Dwelling.	2	6	Two-story brick.	Loss, \$38.50. Recall 4.25 p.m.; sparks from locomotive.
Fri. 3.	38	.....	11.16	702 Gold street.	James E. Holland	Dwelling.	7, 8, 13	10	Two-story brick.	Loss, \$295. Recall 12.12 a.m., April 4; unknown.
Sat. 4.	155	.....	1.23	1408 Gough street.	Benjamin Fineberg.	Dwelling.	5	3	Three-story brick	Loss, \$43.54. Recall 1.49 p.m.; sparks from chimney.
Sat. 4.	417	.....	3.11	226 S. Greene street	Patapsco Club.	Dwelling.	Chem. 15	2	Three-story brick	Loss, \$42.24. Recall 3.23 p.m.; sparks from chimney.

Mon. 6 ... 532	8.06	..... 532 W. Lee street.	Gertrude Willey.	Dwelling.	2	.....	Three-story brick	Loss, \$5. Recall 8.18 a.m.; careless handling of a lighted match.	6	Two-story brick. Loss, \$44.96. Recall 7.44 p.m.; explosion of a gasoline stove.
Mon. 6 ... 341	10.20	..... 1211 N. Charles st.	F. C. Slingluff.	Dwelling.	.....	4	Four-story brick.	Loss, \$49.85. Recall 10.52 a.m.; lighted gas jet coming in contact with a partition.		
Mon. 6 ... 526	11.52	..... 211 W. Camden st.	James Sekoritz.	Tenement.	2	2	Three-story brick	Loss, \$53.95. Recall 12.01 p.m. over-heated stove.		
Tues. 7 ... 6	9.40	..... 115-117 W. Lombard street.	Wm. F. and C. H. Parrish.	Mill.	.....	.....	Four-story brick.	Loss, none. Recall 9.45 a.m.; friction of machinery.		
Tues. 7 ... 439	.....	4.26 1112 W. Lombard street.	Albert Cronitz.	Dwelling.	10	2	Three-story brick	Loss, \$128.80. Recall 4.35 p.m.; explosion of gasoline stove.		
Wed. 8 ... 417	.....	7.34 519 S. Paca street.	John T. Morgan.	Dwelling.	.....	.....	Three-story brick	Loss, \$5. Recall 7.44 p.m.; explosion of coal oil lamp.		
Wed. 8 ... 331	.....	8.58 117 W. Saratoga st.	E. S. Hilbert.	Dwelling.	.....	.....	Three-story brick	Loss, \$8.50. Recall 9.05; gas jet igniting newspapers.		
Wed. 8 ... 332	.....	11.51 843 Linden avenue.	John Ross and others.	Sheds, fences, etc.	7	4	Frame.	Loss, \$226.90. Recall 12.43 a.m.; unknown.		
Thurs. 9 ... 313	.....	5.10 523 N. Charles st.	Dr. Wm. Benson	Dwelling.	7	2	Three-story brick	Loss, \$26.46. Recall 5.22; careless handling of a lighted candle.		

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Fri. 10. . . .	62	3.10		207 Grindall street.	Milton G. Webb.	Dwelling.	.....	6	Two-story brick.	Loss, \$125.70. Recall 3.48 a.m.; incen-diary.
Fri. 10. . . .	418		3.21	312 W. Lexington street.	Unoccupied.	Store and dwelling.	1, 4, 15 Chem. 15	1, 2	Three-story brick	Loss, \$121.17. Recall 4.00 p.m.; unknown
Fri. 10. . . .	612		3.59	829 Light street.	Unoccupied.	Dwelling.	.....	.....	Three-story brick	Loss, none. Recall 4.07 p.m.; smoke from window.
Mon. 13. . . .	216	7.18		601 Aisquith street.	Celia Gordon.	Laundry and dwelling.	3, 6, 9	1	Three-story brick	Loss, \$144.45. Recall 8.03 a.m.; unknown
Mon. 13. . . .	283		7.44	Rear of 76 Harford road, Annex.	Annie Yager.	Stable.	Chem. 5	5	Two-story brick.	Loss, \$1.50. Recall 8.04 p.m.; unknown
Tues. 14. . . .	475		4.20	1820 Harlem ave.	Fletcher G. Stocksdaie.	Dwelling.	.....	10	Two-story brick.	Loss, \$77.80. Recall 4.39 p.m.; gas jet igniting curtain.
Thurs. 16. . . .	218		3.27	8 Albemarle street.	R. Swartz.	Dwelling.	.....	.....	Two-and-half-story brick.	Loss, none. Recall 3.33; burning chimney.
Thurs. 16. . . .	526		7.35	214 W. Camden st.	John Eulhiz.	Grocery store and dwelling	2, 15 Chem. 15	2, 6	Three-and-half-story brick.	Loss, \$200. Recall 8.55; unknown.
Fri. 17. . . .	21	9.06		433 N. Front street.	Jacob Rosenthal and others.	Tailoring, tenement.	.....	1	Three-story brick	Loss, \$50. Recall 9.18; overflowing of gas-oline tank.
Fri. 17. . . .	427		4.03	206 N. Greene st.	Maggie Huster.	Dwelling.	.....	.....	Three-story brick	Loss, none. Recall 4.09; light from window.

Feb. 17.....	143	10.03	229 S. Eden street.	Rose Neuman.	Dwelling.	.....	.....	Two-and-half-story frame.	Loss, \$7.50. Recall 10.08 p.m.; upsetting lighted candle.
Sat. 18....	247	1.20	1203 E. Monument street.	Aaron Ehlers, M. Steless.	Stable and shed.	6	1	One and two-story frame.	Loss, \$85. Recall 1.56 a.m.; unknown.
Sat. 18....	263	2.44	.....	.....	.....	.....	.....	.....	Loss, none. Recall 2.55 p.m.; trolley wire falling on alarm wire; false alarm.
Sat. 18....	419	9.42	207 and 209 N. Eu-taw street.	Gustave Froelich	Dry goods store	1	.....	Two-story brick.	Loss, \$50. Recall 9.51 p.m.; unknown.
Sat. 18....	254	10.11	Rear of 1824 Green-mount avenue.	Mr. Whiteford.	Stable.	18, 19 Chem. 3, 4	5	Two-story brick.	Loss, \$329.31. Recall 11.20 p.m.; unknown.
Sun. 19....	354	8.58	1311 Park avenue.	B. F. Smith.	Dwelling.	.....	.....	Four-story brick.	Loss, \$77.90. Recall 9.05; gas jet igniting curtain.
Mon. 20 ..	534	9.45	905 Burgundy alley	Henry Emerich.	Dwelling.	10	.....	Three-story brick	Loss, \$57.50. Recall 9.56 a.m.; children playing with matches.
Mon. 20 ..	514	10.08	336 W. Pratt street.	John Jolly.	Harness store and dwelling	.....	.....	Three-story brick	Loss, \$17.50. Recall 10.13; candle igniting gasoline.
Mon. 20..	143	10.19	1118 E. Pratt street.	Morris Swinston.	Dwelling.	3	.....	Two-and-half-story brick.	Loss, none. Recall 10.24 a.m.; unknown
Mon. 20..	212	12.16	177 Harrison street.	John Collins.	Furniture store	.....	1	Two-and-half-story brick.	Loss, \$65.00. Recall 12.23 p.m.; overflow of gasoline tank.
Wed. 22..	28	7.00	1713 Patterson Park avenue.	William German.	Dwelling.	9, 19 Chem. 6	5	Two-story brick.	Loss \$187.82. Recall 8.11 a.m.; awning igniting from gaso-line stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H & L IN SERVICE	STYLE OF BUILDING.	REMARKS.
Wed. 22.	623	.....	5.57	17 W.Church street.	Horace White.	Dwelling.	.....	.....	Two-and-half-story brick.	Loss, \$15. Recall 6.03 p.m.; explosion of gasoline stove.
Thurs. 23.	634	.....	12.44	1512 Burrough st.	James Bell.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 12.51 p.m.; grease boiling over.
Fri. 24.	393	.....	3.31	159 Chestnut ave- nue, Annex.	George L. Beyer.	Grocery store and dwelling	.....	.....	Two-story brick.	Loss, \$8.50. Recall 3.41; coal oil lamp too close to ceiling.
Fri. 24.	294	.....	10.11	Rear 29 Jenkins lane, Annex.	Christian Kurch.	Stable and 19 smoke house	Chem 4, 5	5	Two-story brick.	Loss, \$336.66. Recall 12.05 a.m., April 25; unknown.
Sat. 25.	631	.....	12.05	1416 Hanover st.	Mary Cain.	Shed.	12	6	One-story frame.	Loss, \$132.06. Recall 12.55 p.m.; explosion of gasoline stove.
Tues. 28.	562	.....	9.17	1421 Olive street.	George Fishback.	Dwelling.	.....	.....	Two-story brick.	Loss, \$10. Recall 9.23 p.m.; unknown.
May. Fri. 1.	298	.....	8.02	Baltimore county.	.....	.....	.....	.....	.....	Loss, \$130. Recall 8.14 p.m.; fire in Baltimore county.
Fri. 1.	262	.....	11.24	1002 N. Broadway.	B. F. Mann.	Dancing acad.	3, 4, 6	4, 5	Three-story brick	Loss, \$4,507.37. Recall 2.15 a.m., May 2; unknown.
2d alarm.		11.33			A. V. Tuttle.	emv. Laun- dry.	9, 19			
Wed. 6.	157	.....	5.19	817 and 819 S. Dal- las street.	Jno. F. Thiemeyer & Co.	Box factory.	.....	.....	Two-story brick.	Loss, none. Recall 5.26 p.m; false alarm.

Thurs. 7.	157	7.29	.....	817 and 819 S. Dal- las street.	Jno. F. Thiemeyer & Co.	Box factory.	3, 5, 9, 11	3	Two-story brick and frame.	Loss, \$412. Recall 9.56; unknown.
Fri. 8.	512	11.37	.....	15 S. Charles street.	Mentzel Bros. John S. Bridges.	Paper ware- house.	1, 2, 3, 4, 15 Chem. 15	1, 2	Four-story brick.	Loss, \$15,532.64. Re- call 1.20 p.m.; un- known.
Fri. 8.	145	.....	7.37	1153 and 1157 Wat- son street.	Margaret Burns.	Second-hand furn. store.	3	3	Two-and-half- story frame.	Loss, \$198.60. Recall 8.06; explosion of coal oil lamp.
Fri. 8.	521	.....	11.12	15 W. Camden st.	Henry S. Wilcott.	Shed.	2	.....	One-story frame.	Loss, \$35. Recall 11.19 p.m.; unknown.
Sat. 9.	429	.....	5.46	1425 W. Baltimore street.	F. O. Hildebrand	House furnish- ing, dwelling	8, 14	10	Three-story brick	Loss, \$335.84. Recall 6.05; unknown.
Sat. 9.	263	.....	9.39	1606 E. Preston st.	John H. Banks.	Dwelling.	9, 19 Chem. 6	5	Three-story brick	Loss, \$489.45. Recall 11.06; unknown.
Mon. 11	163	.....	6.07	116 S. Chapel street	Joseph Kunkle.	Dwelling.	.....	.....	Two-story brick.	Loss, \$43.80. Recall 6.19 p.m.; leaking gasoline stove.
Mon. 11	326	.....	7.14	1530 Penna. ave.	A. F. Baenes.	Brewery.	13	.....	Two-story brick.	Loss, \$5. Recall 7.18 p.m.; explosion of gasoline stove.
Mon. 11	46	.....	8.46	1532 W. Baltimore street.	Edward Boss.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 8.53 p.m.; light flashing up at win- dow.
Tues. 12.	391	.....	7.47	2554 Druid Hill ave., Annex.	R. J. Crowther.	Dwelling.	13	10	Two-story frame.	Loss, \$91.59. Recall 8.14; explosion of coal oil stove.
Tues. 12.	454	.....	10.10	628 N. Fremont avenue.	Gustave Aidt.	Dwelling.	.....	.....	Three-story brick	Loss, \$27.34. Recall 10.17 p.m.; gas jet igniting curtain.
Tues. 12.	365	.....	10.16	930 McCulloh st.	R. H. Lawrence.	Dwelling.	.....	4	Three-story brick	Loss, \$22.56. Recall 10.32 p.m.; burn- ing chimney.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H & L IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Tues. 12.	324		10.22							Loss, none. Recall 10.31 p.m.; for preceding fire.
Wed. 13.	423	10.25		654 W. Baltimore street.	Antone Fladoe.	Store and dwelling.	Chem. 15		Three-story brick	Loss, \$183.77. Recall 10.38 a.m.; unknown.
Thurs. 14.	34		1.08	930 N. Charles st.	Mary McCoy.	Dwelling.			Three-story stone	Loss, none. Recall 1.19 p.m.; electric converter.
Thurs. 14.	534		8.34	S. E. corner Cross and Denwood sts.	John C. Texter.	Lumber yard.				Loss, none. Recall 8.45 p.m.; incen diary.
Fri. 15.	246	2.59		801 Aisquith street.	Henry Fricke.	Cigar store and dwelling.	6, 9	5	Three story.	Loss, \$871.16. Recall 4.10 a.m.; unknown
Fri. 15.	441		5.50	19 E. Baltimore st.	Sol. Goldstrom and others.	Mfg. of artificial flowers.	4	1	Three-and-half-story brick.	Loss, \$69.40. Recall 6.00 p.m.; unknown
Fri. 15.	336		8.35	312 N. Howard st.	Kate Patterson.	Dwelling.	1, 7 Chem. 15 13	2	Three-and-half-story brick.	Loss, \$193.47. Recall 9.19 p.m.; unknown
Fri. 15.	38		8.40	Rear of 2106 Pennsylvania avenue.	Julius Wirch.	Stable.		10	Two-story brick.	Loss, \$217.73. Recall 10.40; unknown.
Fri. 15.	457		10.36	1120 Woodyear st.	Wm. Henschel.	Dwelling.			Two-story brick.	Loss, \$15. Recall 10.50; explosion of gaso-line stove.
Sat. 16.	252	12.10		1322 to 1332 Greenmount avenue.	Armiger & Co.	Factory.	6	5	Two-story brick.	Loss, \$20. Recall 1.14 a.m.; unknown.

Sat. 16....	439	1.43	Pratt street between B. & O. R. R. Co. Work shop.	10 Chem. 15	2	Two-story brick.	Loss, \$50. Recall 2.49 p.m.; sparks from stack.
Sat. 16....	183	7.46	Arlington and Schroeder. 2737 Dillon street.	.....	.....	Two-story brick.	Loss, none. Recall 7.57 p.m.; unknown
Sat. 16....	176	9.43	Henry Cress. 246 Montford ave.	9	.....	Three-story brick	Loss, \$16.50. Recall 9.50; unknown.
Sat. 16....	177	9.46	.....	.....	.....	.....	Loss, none. Recall 10.04 for preceding fire.
Sun. 17....	484	2.48	George A. Heisler Stable. 42 Loudon avenue, Annex	.....	8	Two-story frame.	Loss, \$2.50. Recall 3.12 p.m.; explosion of gasoline stove.
Sun. 17.... 2d alarm. 3d alarm.	221	6.49 6.52 6.55	Foster Bros. 317 and 319 North street.	1, 2, 3 4, 5, 6 7, 8, 9 10, 15, Chem. 15	1, 2 3, 5	Two-story brick.	Loss, \$5,986.84. Recall 9.27 p.m.; unknown.
Mon. 18....	314	1.54	Mary E. Smith. 511 N. Howard st.	.....	.....	Three-story brick	Loss, \$45. Recall 1.57 p.m.; explosion of coal oil stove.
Tues. 19....	187	8.53	W. B. Wolford. 601 and 603 Luzerne street.	.....	.....	Two-story brick.	Loss, none. Recall 9.00; friction of machinery,
Thurs. 21.	232	8.35	H. R. Crawford. 1504 E. Fayette st.	.....	.....	Three-story brick	Loss, none. Recall 8.44 p.m.; unknown
Fri. 22....	614	8.12	Miles C. Hendricks. 1015 Riverside ave.	.....	.....	Two-story brick.	Loss, \$20. Recall 8.15; upsetting coal oil stove.
Fri. 22....	262	11.02	Henry Frantz. 1229 N. Broadway.	9, 19 Chem. 6	5	Three-story brick.	Loss, \$193.29. Recall 11.35 a.m.; heat from register.
Sat. 23....	141	1.00	Angelo Pento. 306 President street	3	.....	Three-story brick	Loss, \$2.50. Recall 1.07; overheated stove-pipe.

Sat. 30.... 492 12.35 2d alarm.	.....	Brown's lane near Calverton road, Annex.	Johns M. Wager.	Hair factory.	8, 10 13, 14 Chem. 1, 2	2, 8, 10	One and two- story brick.	Loss, \$3,463.64. Recall 5.11 a.m.; un- known.
Sat. 30.... 164 3.15	.....	502 S. Washington street.	John Steigerwald	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 3.20 a.m.; light from gasoline stove.
Sat. 30.... 522	5.34	522 Light street.	John B. Hurtt & Co.	Drug house.	2, 3, 4 10, 15, 16 Chem. 15	1, 2	Four-story brick.	Loss, \$6,901.89. Re- call 9.14 p.m.; un- known.
Sat. 30.... 247	10.46	601 Aisquith street.	Tong Kee.	Dwelling.	6	.....	Three-story brick	Loss, \$5. Recall 10.55 p.m.; unknown.
Tues. 2... 265 3.03 <i>June.</i>	.....	1421 N. Dallas st.	Mrs. Thomas Genethlein.	Grocery store and dwelling	.....	5	Two-story brick.	Loss, \$92.23. Recall 3.14 a.m.; unknown
Tues. 2... 422 10.26	.....	302 W. Fayettest.	R. Mackonitz.	Dwelling.	1	2	Two-and-half- story brick.	Loss, \$22. Recall 10.36 a.m.; sparks from chimney.
Tues. 2... 356	9.20	1728 Bolton street.	John S. Legg.	Dwelling.	.....	.....	Three-story brick	Loss, \$5. Recall 9.27 p.m.; unknown.
Wed. 3... 315	4.35	.....	.....	.....	.....	.....	.....	Loss, none. Recall 5.02 p.m.; false alarm.
Wed. 3... 336	9.34	301 N. Howard st.	Crook, Horner & Co.	M. & P. supply house.	1	2	Six-story brick.	Loss, none. Recall 9.45 p.m.; defective flue.
Sat. 6.... 154	9.45	1442 Block street.	John Adamski.	Tenement house.	.....	3	Two-and-half- story brick.	Loss, \$5.75. * Recall 9.55 p.m.; unknown
Sat. 6.... 336	11.39	314 N. Howard st.	Henry C. Osten- dorf.	Bird store.	1, 7 Chem. 15	2, 4	Three-and-half- story brick.	Loss, \$1,280. Recall 1.46 a.m., June 7; unknown.
Mon. 8.... 387	4.11	Pennsylvania ave. ext'd, Annex.	Alex. Brown.	Dwelling.	.....	.....	Two-and-half- story brick.	Loss, none. Recall 4.36 p.m.; false alarm; lightning on wires.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Mon. 8....	19	.....	4.26	Philadelphia road.	City of Baltimore	Bayview Asylum.	.....	.....	Four-story brick.	Loss, none. Recall 4.53 p.m.; false alarm; lightning on wires.
Mon. 8....	419	.....	8.37	237 N. Eutaw st.	A. A. Brager.	Dry goods store.	7	2	Three-story brick	Loss, \$6.50. Recall 9.11 p.m.; electric light wire.
Tues. 9... 2d alarm.	31	12.48 12.55	.....	329 N. Calvert st.	John Rhein & Son.	Carriage factory.	3, 4, 6, 7	1, 2	Four-story brick.	Loss, \$1,195.91. Recall 1.56 a.m., June 10; unknown.
Tues. 9... 354	354	1.30	.....	212 Dolphin street.	Louis Black.	Grocery store.	.....	.....	Three-story brick	Loss, \$89.49. Recall 1.56 a.m.; mice gnawing at matches
Wed. 10... 238	238	2.09	.....	1627 Abbott street.	Amelia Sockmiller.	Dwelling.	19	5	Two-story brick.	Loss, \$41.50. Recall 2.30 a.m.; unknown
Wed. 10... 633	633	.....	7.07	S. W. cor. Lawrence and Clement sts.	Charles Pierson.	Crusher shed.	12, 17	6	One-story frame.	Loss, \$35. Recall 7.39 p.m.; friction of machinery.
Thurs. 11. 218	218	.....	6.14	9 S. Front street.	Mrs. H. Lahn and others.	Tenement house.	.....	.....	Three-story brick	Loss, none. Recall 6.19 p.m.; explosion of gasoline stove.
Mon. 15... 62	62	.....	5.17	1036 Compton st.	Antone Seibert.	Dwelling.	2, 12, 17	6	Three-story brick	Loss, \$231.10. Recall 6.04 p.m.; sparks from chimney.
Wed. 17... 229	229	7.22	.....	231 N. Dallas st.	John Schwabel.	Bakery and dwelling. 512	.....	.....	Two-story brick.	Loss, none. Recall 7.30 a.m.; leaking gasoline stove.

Thurs. 18.	229	3.54	.....	Rear of 205 N. Washington street.	Mary Koptisch.	Stable.	9	3	One-story frame.	Loss, \$25. Recall 4.04 a.m.; unknown.
Fri. 19.	132	5.54	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 6.00 a.m.; false alarm.
Fri. 19.	71	10.34	.....	Mt. Vernon Shops, North ave. (Annex).	Pennsylvania R. Co. Company.	R. Oil house.	.....	.....	One-story brick.	Loss, \$25. Recall 10.50 a.m.; oil boiling over on furnace.
Fri. 19.	339	.....	10.44	N. W. cor. of North and Madison avenues.	William J. Conn.	Stable.	4, 7	4	Three-story brick	Loss, \$275. Recall 1.50 a.m., June 20, unknown.
Sat. 20.	339	10.04	.....	933 Madison ave.	Dr. E. S. Conlyn.	Dwelling.	7	4	Three-story brick	Loss, \$79.88. Recall 10.19 a.m.; unknown.
Sat. 20.	522	.....	12.03	.....	.....	.....	.....	.....	.....	Loss, none. Recall 12.12; false alarm.
Sat. 20.	639	.....	8.20	Locust Point.	B. & O. R. R. Co.	Cars, sheds, etc.	12, 16, 17	6	One-story-frame.	Loss, \$1,800. Recall 10.21 p.m.; unknown.
Sun. 21.	28	6.49	.....	1706 N. Collington avenue.	F. Schwalenberg.	Confectionery store and dwelling.	Chem. 6	.....	Two-story.	Loss, \$91. Recall 7.02 a.m.; unknown.
Sun. 21.	167	.....	4.54	428 S. Broadway.	Aaron Herman.	Clothing store.	.....	.....	Three-story-brick	Loss, none. Recall 4.58 p.m.; electric converter.
Sun. 21.	484	.....	5.04	Brunswick street ext'd, Annex.	Union Stock Yard Co.	Abattoir.	.....	.....	Two-story brick.	Loss, none. Recall 5.18 p.m.; lightning; false alarm.
Sun. 21.	521	.....	6.18	221 Hanover street.	F. W. Oehm & Co.	Tailor store and dwelling	store 2	1, 2	Three-story brick	Loss, none. Recall 6.31 p.m.; electric light.
Sun. 21.	385	.....	6.35	S. E. cor. North and Park avenues.	George I. Hickman.	Confectionery store and dwelling.	.....	.....	Three-story brick	Loss, none. Recall 6.38 p.m.; electric converter.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Mon. 22....	439	.....	9.10	1001 W. Lombard st.	Wm. B. Atkinson	Store and dwelling.	.....	.....	Three-story brick	Loss, \$27.90. Recall 9.35 p.m.; explosion of coal oil lamp.
Tues. 23...	23	2.14	.....	214 N. Central ave.	Lydia Brown.	Dwelling.	3	3	Three-story brick	Loss, \$10.00. Recall 2.27 a.m.; unknown.
Tues. 23...	364	10.00	.....	837 Druid Hill ave.	Wm. O. Hammond.	Ham-Grocery store.	7	4	Three-story brick	Loss, \$959.60. Recall 10.35 a.m.; unknown.
Tues. 23...	328	.....	2.42	N. E. cor. Druid St. Hill avenue and McMechen st.	Paul's Eng. Church. Lutheran Congregation.	Church.	7, 13 Chem. 2	4, 10	Two-story brick.	Loss, \$1,792. Recall 4.00 p.m.; unknown.
Tues. 23...	327	.....	2.43	.....	.....	.....	.....	.....	.....	Loss, none. Recall 2.51 p.m.; preceding fire.
Thurs. 25. 531	531	2.20	.....	730 Ramsay street.	George Schaefer.	Bakery and dwelling.	8, 10	2	Two-story brick.	Loss, \$152.30. Recall 2.36 a.m.; defective construction of oven.
Fri. 26....	295	7.48	.....	2225 Guilford ave. nue, Annex.	David Andrew.	Dwelling.	18	.....	Three-story brick	Loss, \$135. Recall 8.00 p.m.; unknown.
Fri. 26....	861	.....	1.59	S. W. cor. of Pratt Sharp and Howard sts.	Sharp & Dohme.	Drug house.	.....	.....	Six-story brick.	Loss, none. Recall 2.05; unknown.
Fri. 26....	285	.....	5.20	Clifton Park, Annex.	William Fowler.	Dwelling.	Chem. 5	7	Two-story frame.	Loss, \$79.80. Recall 6.00 p.m.; lighting.

Sun. 28...	472	12.37					9	3	Three-story brick	Loss, \$720.60. Recall 8.10 p.m.; explosion of naphtha. Loss, none. Recall 12.46 a.m.; false alarm.
Sun. 28...	413	10.51	33 W. Lexington st.	Dr. John F. Deacon.	Dentist's office and dwelling.	Chem. 15	2	Three-story brick	Loss, \$311.47. Recall 11.05 p.m.; unknown	
Mon. 29...	238		6.46 1509 E. Madison st.	Geo. S. Poisal.	Dwelling.	9	5	Two-and-half story brick.	Loss, \$1.50. Recall 6.54 p.m.; sparks from chimney.	
Tues. 30...	162		4.45 914 S. Wolfe st.	John Frahmafel.	Dwelling.			Two-and-half story brick.	Loss, none. Recall 4.52 p.m.; smoke from window.	
Tues. 30...	128		9.35 100 Marsh Market Space.	A. Rosman.	Tenement house.			Three-and-half story brick.	Loss, none. Recall 9.39 p.m.; explosion of gasoline stove.	
Tues. 30...	12		11.11						Loss, none. Recall 11.20 p.m.; light by balloon ascension; false alarm.	
July.									Loss, \$91.68. Recall 7.31 p.m.; explosion of gasoline stove.	
Wed. 1...	183		7.22 2611 Fait avenue.	Frank Schabinski.	Dwelling.	11	3		Loss, none. Recall 7.46 p.m.; explosion of gasoline stove.	
Wed. 1...	393		7.37 257 Cedar avenue, Annex.	Robert Sibley.	Grocery store and dwelling.			Two-story brick.	Loss, none. Recall 7.46 p.m.; explosion of gasoline stove.	
Thurs. 2...	317		12.06 109 Hamilton st.	John Sorrell.	Dwelling.	7		Two-story brick.	Loss, \$20. Recall 12.17 p.m.; children playing with matches.	
Thurs. 2...	526		12.28 217 W. Camden st.	McCauley, Bryan & Co.	Tin manufactory.	2		Four-story brick.	Loss, \$10. Recall 12.38 p.m.; defective construction of brick under boiler.	

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H & L IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Thurs. 2.	56	.....	1.48	909½ Leadenhall st.	Ernest Nicklas.	Dwelling.	.....	.....	Three-story brick	Loss, \$48. Recall 2:03 p.m.; sulphur ignited by a match.
Thurs. 2.	62	.....	8.15	206 Grindall street.	John A. Bosy.	Dwelling.	.....	.....	Three-story brick	Loss, \$98.80. Recall 8:30 p.m.; explosion of a gasoline stove.
Fri. 3.	365	6.57	.....	809 Pennsylvania avenue.	Horace Carater.	Dwelling.	.....	.....	Three-story brick	Loss, \$10. Recall 7:07 a.m.; explosion of a gasoline stove.
Fri. 3.	247	.....	3.06	.....	.....	.....	.....	.....	.....	Loss, none. Recall 3.16; false alarm.
Fri. 3.	56	.....	9.23	152 Hamburg st.	Tarbar Bundy.	Dwelling.	2	6	Two-and-half-story brick.	Loss, \$65. Recall 9:32 p.m.; coal oil stove upset.
Sat. 4.	21	.....	1.42	404 N. Front street.	Michael O'Connor and others.	Dwelling.	.....	1	Two-and-half-story brick.	Loss, \$2.50. Recall 1.49 p.m.; fireworks
Sat. 4.	26	.....	2.39	823 N. Gay street.	Unoccupied.	Dwelling.	.....	5	Two-and-half-story brick.	Loss, \$5. Recall 2.46 p.m.; sparks from chimney.
Sat. 4.	155	.....	3.00	322 S. Spring street.	C. Lampman.	Dwelling.	3, 5	3	Two-and-half-story brick.	Loss, \$142.60. Recall 3.26 p.m.; fireworks
Sat. 4.	351	.....	4.25	324 S. Spring street. 1117 Jordan alley.	John Langkraf t Thos. Randolph.	Dwelling. Dwelling.	.....	.....	Two-story brick.	Loss, \$3. Recall 4.40; fireworks.
Sat. 4.	38	.....	5.52	2109 Pennsylvania avenue.	Adam Hensel.	Stable.	13 Chem. 2	10	One-story frame.	Loss, \$200. Recall 6.38 p.m.; unknown
Sat. 4.	365	.....	9.14	592 W. Biddle st.	F. Kuhnberger.	Grocery store and dwelling.	.....	4	Three-story brick	Loss, \$55.90. Recall 9.21 p.m.; fireworks

Sat. 4. 346	1012 N. Prinas st.	John R. Winter.	Dwelling.	9	5	Two-and-half-story brick.	Loss, \$158.50. Recall 9.52 p.m.; fireworks
Sat. 4. 346	838 N. Howard st.	Lena Frohlinger.	Dwelling.	7	4	Two-and-half-story brick.	Loss, \$197.25. Recall 11.15 p.m.; fireworks.
Sat. 4. 146	303 to 309 President street.	E. W. Worstmill & Co.	Frame shed.	.....	.....	Two-story frame.	Loss, \$5. Recall 11.40 p.m.; fireworks.
Sun. 5. 431	747 W. Pratt street.	Henry McShane Mfg. Co.	Wood mill.	.....	2	Three-story brick	Loss, \$50. Recall 8.37 p.m.; spontaneous combustion.
Mon. 6. 463 1.30	.....	.....	.....	.....	.....	.....	Loss, none. Recall 1.43 a.m.; false alarm.
Mon. 6. 38 10.12	605 Chapel street.	Unoccupied.	Dwelling.	13	10	Two-story brick.	Loss, \$10.00. Recall 10.34 a.m.; unknown
Mon. 6. 215	Forrest and Orleans streets.	W. J. Nolan.	Awning.	.....	.....	.....	Loss, \$20. Recall 8.40 p.m.; gasoline ignited by a lighted match.
Mon. 6. 218	20 Albemarle st.	M. Fahtoravitz.	Tenement.	3	.....	Three-story brick	Loss, \$37. Recall 8.57 p.m.; explosion of a gasoline stove.
Tues. 7. 271	829 Hopkins ave.	Edward Darden.	Dwelling.	9	.....	Two-story brick.	Loss, \$141.90. Recall 3.20 p.m.; explosion of a gasoline stove.
Thurs. 9. 161	1719 Canton ave.	George Tornky.	Shed.	.....	3	One-story frame.	Loss, \$19. Recall 2.07 p.m.; heat from stove-pipe.
Fri. 10. 262	1052 N. Gay street.	Ives & McGlenn.	Bicycle repair shop.	.....	.....	Three-story brick	Loss, \$10. Recall 4.45 p.m.; unknown.
Fri. 10. 13	N. E. cor. Pratt and Centre Market.	Guiseppo Depoale.	Saloon and dwelling.	3	1	Three-story brick	Loss, \$25. Recall 5.08 p.m.; leaking gasoline stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Fri. 10....	368	.....	11.01	830 Pierce street.	William Covington.	Dwelling.	7, 8, 13	4	Three-story brick	Loss, \$75. Recall 11.25 p.m.; unknown.
Sun. 12....	12	.....	9.31	423 E. Baltimore st.	H. J. Reitz.	Coffee lunch room.	.....	.....	Three-story brick	Loss, none. Recall 9.36 p.m.; electric light wire.
Mon. 13....	381	7.50	.....	1633 N. Gilmor st.	M. Willis.	Dwelling.	.....	10	Two-story brick.	Loss, none. Recall 8.01 a.m.; lighted match thrown in rubbish.
Mon. 13....	43	11.09	.....	640 Cider alley.	Unoccupied.	Dwelling.	1	2	Two-story brick.	Loss, \$23.50. Recall 11.20 a.m.; sparks from stack.
Mon. 13....	152	.....	4.05	1623 E. Pratt st.	M. Conner.	Grocery store and dwelling.	.....	.....	Two-and-half-story brick.	Loss, \$10. Recall 4.08 p.m.; explosion of a coal oil stove.
Mon. 13....	513	.....	10.10	1210 Riverside ave.	Thomas Wolford	Dwelling.	12	.....	Three-story brick	Loss, \$30. Recall 10.20 p.m.; lighted lamp dropped on stairs.
Mon. 13....	414	.....	10.12	S. W. cor. German and Sharp sts.	John E. Hurst & Co.	Dry goods establishment.	.....	.....	Six-story brick.	Loss, \$1. Recall 10.26 p.m.; incendiary.
Tues. 14..	161	2.58	.....	718 S. Ann street.	John Bien.	Dwelling.	5	3	Two-and-half-story brick.	Loss, \$183.70. Recall 3.02 a.m.; unknown
Tues. 14..	266	.....	8.12	516 N. Spring st.	Edward Hill.	Dwelling.	.....	.....	Two-story brick.	Loss, \$39. Recall 8.19 p.m.; upsetting lighted lamp.

Wed. 15...	215	4.07	.....	146 Chesnut street.	Frank Grimage.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 4.14 a.m.; burning chimney.
Wed. 15...	38	.....	12.40	2213 Etting street.	John T. Wayman	Dwelling.	13	10	Two-story brick.	Loss, \$130. Recall 1.30 p.m.; unknown.
Wed. 15...	382	.....	12.44	.....	.....	.....	Chem. 2	.....	.....	Loss, none. Recall 12.54 p.m. for preceding fire.
Thurs. 16.	162	.....	5.19	1732 Thames street.	J. Adelberg.	Clothing store and dwelling	.....	.....	Three-story brick	Loss, none. Recall 5.26 p.m.; burning rubbish in yard.
Fri. 17	183	.....	2.15	824 Chesapeake st.	A. Horman.	Dwelling.	.....	.....	Two-story brick.	Loss, \$17.50. Recall 2.25 p.m.; leaking coal oil stove.
Sat. 18...	252	1.52	.....	707 E. Chase st.	Wm. E. Conway.	Dwelling.	.....	.....	Three-story brick	Loss, \$69.60. Recall 2.05 a.m.; gas jet igniting curtains.
Sun. 19...	464	.....	1.45	300 Woodyear st.	Mary Hardesty.	Shed.	.....	10	One-story frame.	Loss, \$30. Recall 2.10 p.m.; explosion of gasoline stove.
Sun. 19...	47	.....	7.27	784 Montrose st.	Louis Lantz.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 7.36 p.m.; smoke issuing from window.
Sun. 19...	297	.....	8.40	2230 Guilford avenue, Annex.	Henry W. Stewart	Store.	18	.....	One-story frame.	Loss, \$42.63. Recall 8.56 p.m.; unknown
Sun. 19...	12	.....	9.35	405 E. Fayette st.	James Lowndes.	Hotel.	3, 4, 6, 15	1, 2	Four-and-half-story brick.	Loss, ———. Recall 2.01 a.m., July 20; unknown.
Sun. 19...	426	.....	11.31	15 and 17 Carlton street.	Eugene Cox.	Junk shop.	8	4	Two-story brick.	Loss, \$17.50. Recall 11.55 p.m., unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Mon. 20...	562	1.28		S. E. cor. Charles Balto. and Wells sts.	Mal. Iron Foundry. & Steel Co.				One-story brick.	Loss, \$3.50. Recall 1.55 a.m.; over-heated furnace.
Mon. 20...	356		11.45	816 W. North ave.	H. N. Cushing.	Dwelling.			Three-story brick	Loss, \$5. Recall 11.58 p.m.; gas jet igniting curtains.
Tues. 21..	638	2.35		B. & O. Pier, Lo-cust Point.	Donaldson S. B. Co.	Line Steamship.	17	6		Loss, \$700. Recall 4.14 a.m.; unknown
Tues. 21..	37	9.23								Loss, none. Recall 9.35 a.m.; false alarm.
Tues. 21..	419		9.34	107, 109 and 111 N. C. Eutaw street.	C. J. Youse.	Paper box fac-tory.			Three-story brick	Loss, \$20. Recall 9.47 p.m.; electric wire.
Wed. 22 ..	271	10.54		915 Washington st.	Domino Zelinka.	Dwelling.	6	5	Two-story brick.	Loss, \$297. Recall 11.09 a.m.; explo-sion of a gasoline stove.
Wed. 22 ..	484		9.56	975 Frederick ave., Annex.	F. J. Schaffer.	Yard.				Loss, none. Recall 10.21 p.m.; gasoline igniting from light-ed lamp.
Thurs. 23.	61	10.49		613 Light street.	Charles Rettall-ata.	Saloon and 2 dwelling.	2	6	Three-story brick	Loss, \$80. Recall 10.56 a.m.; un-known.
Thurs. 23.	123		8.20	121 S. Gay street,	Maguire & Co.	Ship chandler, etc.	3, 4, 6	1, 3	Three-and-half story brick.	Loss, \$1,759.43. Re-call 11.17 p.m.; un-known.

Time	Day	Time	Address	Name	Building	Count	Notes
9.16		1703	Light street.	Richard H. Francis.	Shed.	12	One-story frame. Loss, \$25. Recall 5.24 a.m.; explosion of gasoline stove.
7.50	Fri. 24	3105	Foster avenue.	Charles E. Grawber.	Dwelling.		Two-story brick. Loss, none. Recall 8.03 p.m.; explosion of a gasoline stove.
8.37	Sat. 25	116	W. Biddle st.	Sarah Wrenken.	Dwelling.		Two-and-half story brick. Loss, \$36.00. Recall 8.50 a.m.; explosion of gasoline stove.
10.48	Sun. 26	1213 to 1221	Ed-ward street.	Ed-Gunther & Fink.	Furniture factory.	5	Three-story brick. Loss, \$50.00. Recall 10.50 a.m.; sparks from smoke-stack.
12.44	Mon. 27	505 E. Monument	street.	Bainey Goldberg.	Dwelling.	6	Two-story brick. Loss, \$10.00. Recall 12.56 a.m.; unknown
6	Mon. 27	121	Mercer street.	Rockstrat Enginer and Machinist Co.	Shop.	4	Four-story brick. Loss, none. Recall 1.27 p.m.; explosion of gas meter.
8.26	Tues. 28	152	Chesnut st.	Blanche King.	Dwelling.	6	Two-story brick. Loss, \$35. Recall 8.36 p.m.; explosion of coal oil lamp.
3.41	Wed. 29	200 and 202	N. Caroline street.	Benjamin Frank & Son.	Rag and junk shop.	1, 3	Two-story brick. Loss, \$364.75. Recall 5.57 p.m.; unknown
11.40	Wed. 29	1718	Wesphal st.	Mrs. M. Frank.	Dwelling.		Two-and-half-story brick. Loss, none. Recall 11.49 a.m.; explosion of gasoline stove.
1.55	Fri. 31	815	N. Eutaw st.	William Boggs.	Dwelling.		Three-story brick. Loss, none. Recall 2.05 p.m.; smoke issuing from window.
11.59	Fri. 31	2149	Division street	John Warner.	Saloon and dwelling.	10 Chem. 2	Three-story brick. Loss, ———. Recall 12.29 a.m., Aug. 1; upsetting coal oil lamp.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
<i>August.</i>										
Sat. 1.....	829	2.38		28 and 30 Hopkins Place.	Daniel Miller & Co.	Dry goods house.	.....	.....	Five-story brick.	Loss, none. Recall 2.53 a.m.; false alarm.
Sat. 1.....	338	3.40		316 and 318 N. Eu- taw street.	Isaac Benesch.	Carpet and fur- niture store.	1, 7, 15	2, 4, 5	Four-story brick.	Loss, \$2,605.33. Recall 5.15 a.m.; unknown
Sat. 1.....	417	11.58		N. E. cor. Emory and Columbia avenue.	Joseph Neuman.	Dwelling.	.....	.....	Three-story brick	Loss, none. Recall 12.03 p.m.; explo- sion of gasoline stove.
Sat. 1.....	159	.....	1.36	532 S. Bond street.	Morris Hamber- ger.	Clothing store and dwelling	5	3	Three-story brick	Loss, \$434.25. Recall 2.15 p.m.; unknown
Sat. 1.....	162	.....	8.30	722 S. Durham st.	Kate Gunther.	Dwelling.	.....	.....	Two-story frame.	Loss, none. Recall 8.34 p.m.; flame from gasoline stove.
Sat. 1.....	218	.....	9.51	37 S. Front street.	Mrs. Lizzie Dron- brosky.	Dwelling.	.....	.....	Three-story brick	Loss, none. Recall 9.58 p.m.; explosion of coal oil lamp.
Sat. 1.	365	10.00	.....	1045 Pennsylvania avenue.	R. W. Keene.	Medicine store and dwelling	.....	4	Three-story brick	Loss, \$32.50. Recall 10.09 a.m.; electric wire.
Mon. 3.....	413	11.28	.....	Centre of Sharp st. alley.	W. B. Cockey (owner).	Load of hay.	1, 15	2	.....	Loss, \$30. Recall 11.36 a.m.; electric wire.
Mon. 3.....	241	.....	4.52	422 N. Front street.	Abraham Cohen.	Dwelling.	.....	.....	Three-story brick	Loss, \$33.50. Recall 4.56 p.m.; explosion of gasoline stove.

Tues. 4.... 244	5.34	928 Hillman street.	Mrs. Mary Riley.	Dwelling.	.....	5	Two-story brick.	Loss, \$27. Recall 3.40 p.m.; explosion of gasoline stove.
Tues. 4.... 523	6.42	700 Lister court.	Charles S. John-son.	Dwelling.	2	.....	Two-story brick.	Loss, \$20. Recall 6.52 p.m.; unknown.
Tues. 4.... 156	11.36	1630 Thames street.	James Gutawaski	Dwelling.	.....	.....	Three-story brick	Loss, \$18. Recall 11.44 p.m.; explosion of coal oil lamp.
Wed. 5... 613	9.40	Henry Street Dock.	Baker Bros.	Shed.	2, 12	6	One-story frame.	Loss, \$60. Recall 10.24 a.m.; unknown.
Wed. 5... 562	11.04	39 E. Fort avenue.	George Bradley.	Dwelling.	.....	6	Three-story brick	Loss, \$7.50. Recall 11.58 a.m.; explosion of gasoline stove.
Wed. 5... 262	.....	1202 N. Bond st.	Robert Stewart.	Dwelling.	9 Chem. 6	5	Three-story brick	Loss, \$35. Recall 3.51 p.m.; unknown.
Fri. 7..... 853	9.40	29 Hopkins Place.	Johnson, Omo-hundro & Co.	Wholesale dry goods store.	15	2	Four-story brick and iron.	Loss, none Recall 9.45 a.m.; unknown
Fri. 7..... 434	3.22	1242 W. Pratt st.	E. Thomas.	Dwelling.	.....	.....	Three-story brick	Loss, \$10. Recall 3.30 p.m.; explosion of gasoline stove.
Fri. 7..... 827	.....	N. E. cor. of Liberty and Lombard streets.	Guggenheimer & Weil.	Lithographing house.	.....	.....	Three-story brick	Loss, none Recall 4.01 p.m.; false alarm.
Sat. 8..... 176	11.40	2616 E. Fayette st.	Frederick Hartman.	Dwelling.	.....	3	Two-story brick.	Loss, \$70.75. Recall 12.02 p.m.; explosion of gasoline stove.
Sat. 8..... 372	.....	1818 Patterson ave.	Unoccupied.	Dwelling.	.....	10	Two-story brick.	Loss, \$35. Recall 5.18 p.m.; incendiary.
Sun. 9..... 353	.....	1922 Railroad ave.	Unoccupied.	Dwelling.	18	.....	Two-story brick.	Loss, \$37. Recall 10.15 p.m.; unknown.
Mon. 10... 56	11.42	926 Bevan street.	Frank G. West-hoffer.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 11.58 a.m.; lighting.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H & L IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Mon. 10...	261	.....	3.04	1030 N. Central ave	Bernhardt Neu- berger.	Bakery and dwelling.	.....	5	Three-story brick	Loss, \$17. Recall 3.30 p.m.; unknown.
Tues. 11...	64	.....	5.46	219 Heath street.	George Butz.	Dwelling.	12	.....	Two-story brick.	Loss, \$72. Recall 5.55 p.m.; explosion gas- oline stove.
Tues. 11...	274	.....	9.28	2022 E. Biddle st.	Mrs. Marian Baker.	Dwelling.	.....	.....	Three-story brick	Loss, \$5. Recall 9.38 p.m.; explosion of coal oil lamp.
Wed. 12...	62	11.16	.....	39 E. West street.	Arthur H. Jones	Dwelling.	.....	6	Three-story brick	Loss, \$35. Recall 11.24 a.m.; explosion of gasoline stove.
Wed. 12...	338	.....	7.59	403 W. Franklin st.	Hugh Riley	Saloon and dwelling.	.....	2	Three-story brick	Loss, none. Recall, 8.07 p.m.; electric converter.
Thurs. 13.	162	.....	6.30	1807 Lancaster st.	Lorenzo Zumen- ski.	Tenement house.	.....	3	Three-story brick	Loss, \$21. Recall 6.37 p.m.; unknown.
Sat. 15...	31	.....	7.31	Rear of 435 to 441	Henry McShane	Bell foundry.	3, 4, 6, 7, 9	1, 2	Four-story brick	Loss, \$1,031.25. Re- call 10.04 p.m.; un- known.
2d alarm.			7.37	North street.	& Co.				and two-story	
3d alarm.			7.40						frame.	
Sat. 15...	332	2.58	.....	807 Madison ave.	H. Cohen.	Tailorshop and dwelling.	1, 7	4	Three-story brick	Loss, \$383.20. Recall 3.08 a.m.; unknown.
Mon. 17...	251	10.20	.....	1036 Aisquith st.	Daniel Harney.	Dwelling.	6, 9	5	Two-story and at- tic brick.	Loss, \$167.90. Recall 11.58 a.m.; tinner's firepot.
Mon. 17...	275	.....	5.32	2016 E. Hoffman st	Benj. F. Sapp.	Dwelling.	9, 19	5	Two-story brick.	Loss, \$52. Recall 5.57 p.m.; overflow of gasoline tank.

Mon. 17...	391	9.03	1620 Stockton st., Annex.	Frank L. Knell.	Stable.	13 Chem. 2	10	Two-story frame.	Loss, \$167.78. Recall 10.21 p.m.; un- known.
Mon. 17...	381	9.12							Loss, none. Recall 9.20 p.m.; preced- ing fire.
Tues. 18...	21	3.50	233 Harrison street.	Herman Wein- berg.	Tailor shop and dwelling.		1	Three-story brick	Loss, \$111.75. Recall 3.54 p.m.; over- flowing gasoline tank.
Tues. 18...	895	4.55							Loss, none. Recall 5.06 p.m.; false alarm.
Tues. 18...	64	6.34	1700 Johnson st.	Medora Dill.	Grocery store and dwelling			Two-story brick.	Loss, none. Recall 6.41 p.m.; unknown
Wed. 19...	721	4.03	26 Plymouth street, Annex.	Philip Ganes.	Dwelling.			Two-story frame.	Loss, none. Recall 4.25 p.m.; explosion of gasoline stove.
Wed. 19...	62	7.59	S. E. cor. Charles and Weyler sts.	C. D. Kenny.	Tea store and dwelling.			Three-story brick	Loss, none. Recall 8.04 p.m.; electric light wire.
Fri. 21...	16212	10	816 S. Ann street.	Michael Kulinski	Tenement house.		3	Three-story brick	Loss, \$12.34. Recall 12.16 a.m.; burning chimney.
Fri. 21...	883	10.09							Loss, none. Recall 10.17 false alarm.
Sun. 23...	145	6.03	1017 E. Baltimore street.	German Branch of Y.M.C. Asso.	Meeting rooms	3, 5, 9	3	Three-story and attic brick.	Loss, \$416.54. Recall 7.59 a.m.; unknown
Sun. 23...	27	10.53	931 N. Broadway.	Mrs. Henry Bien	Basket factory.	9	5	One-story brick.	Loss, \$125. Recall 11.35 p.m.; un- known.
Tues. 25...	473	5.10	325 N. Stricker st.	Edward Beefelt.	Dwelling.	8	10	Three-story brick	Loss, \$43. Recall 5.28 p.m.; explosion of gasoline stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H & L IN SERVICE	STYLE OF BUILDING.	REMARKS.
Wed. 26..	485	3.12	.....	809 Frederick road, Annex.	Henry Taylor.	Stable.	14 Chem. 1	8	Two-story frame.	Loss, \$264.80. Recall 4.24 a.m.; unknown
Wed. 26...	215	.....	5.27	1132 E. Lexington st	Mrs. Adelaide Stewart.	Dwelling.	6	1	Two-story and at- tic brick.	Loss, \$10.21. Recall 5.37 p.m.; explosion of coal oil lamp.
Thurs. 27.	275	.....	1.36	1715 Carlyle Place.	Thomas Coiry.	Dwelling.	.....	.....	Two-story brick.	Loss, \$40. Recall 1.40 p.m.; unknown.
Thurs. 27.	383	.....	10.42	536 Robert street.	H. Ottenberg.	Dwelling.	.....	10	Three-story brick	Loss, none. Recall 11.02 p.m.; burning chimney.
Fri. 28....	215	9.42	.....	238 Forrest street.	William Slatter.	Dwelling.	6, 9	1	Three-story brick	Loss, ———. Recall 10.17 a.m.; un- known.
Fri. 28....	413	11.54	.....	206 Marion street.	Tong Wing.	Restaurant.	1 Chem. 15	2	Three-story brick	Loss, \$15. Recall 12.29 p.m.; explosion of gasoline stove.
Fri. 28....	394	.....	2.32	406 Third street, Annex.	John T. Todd.	Kitchen.	Chem. 7	9	One-story frame.	Loss, \$191.25. Recall 3.24 p.m.; explosion of gasoline stove.
Fri. 28....	63	.....	10.52	Light and Clement streets.	City of Baltimore	School-house.	.....	.....	Two-story brick.	Loss, none. Recall 10.54 p.m.; un- known.
Sat. 29 ...	217	3.06	.....	538 N. High street.	Unoccupied.	Dwelling.	6	1	Two-and-half- story brick.	Loss, \$40. Recall 3.27 a.m.; unknown.
Sat. 29....	484	.....	3.45	554 Frederick ave., Annex.	William Meyers.	Kitchen.	14 Chem. 1	8	One-story frame.	Loss, \$78.73. Recall 4.30 p.m.; defective flue.

Time	Date	Address	Owner	Shoe store.	4	1, 3	Four-story brick.	Loss, \$827.98. Recall 2.15 a.m.; unknown
Mon. 31...	2.41	1624 E. Eager st.	George Greaser.	Dwelling.	9	.....	Two-story brick.	Loss, \$25. Recall 2.54 p.m.; explosion of gasoline stove.
Mon. 31...	5.38	32 W. Pratt street.	Maryland Agricultural Company.	Warehouse.	1, 2, 4, 5 Chem. 15	2, 6	Three-story iron and brick.	Loss, \$3,077.46. Recall 7.52 p.m.; unknown.
September.								
Tues. 1...	2.10	N. W. cor. Howard and Camden sts.	Francisco De marco.	Dwelling and saloon.	Chem. 15	.....	Three-story brick	Loss, none. Recall 2.17 a.m.; unknown
Tues. 1...	6.52	21 W. Lexington st.	Z. C. Zottenhoffer	Photo. gallery.	.....	2	Three-story brick	Loss, \$369. Recall 7.00 p.m.; unknown
Tues. 1...	231 11.34	1604 Costello court.	Unoccupied.	Dwelling.	6, 9	3	Two-story brick.	Loss, \$30.63. Recall 11.40 a.m.; sparks from chimney.
Tues. 1...	262	1113 N. Broadway.	John L. Butt.	Provision store and dwelling.	.....	.....	Three-story brick	Loss, none. Recall 7.50 p.m.; unknown
Wed. 2...	371	1021 N. Fulton ave.	Theodore Condit.	Dwelling.	.....	10	Three-story brick	Loss, \$5.50. Recall 7.22 p.m.; cigar thrown against woodwork.
Thurs. 3...	171	2034 Fountain st.	Annie Yost.	Dwelling.	11	3	Two-and-half-story brick.	Loss, \$80.05. Recall 12.20 p.m.; explosion of gasoline stove.
Fri. 4...	624	N. E. cor. of Howard and Stockholm sts.	D. Wilfson & Son	Furniture factory.	1, 2, 7, 10, 12, 15, 17 Chem. 15	2, 6	Five-story brick.	Loss, \$13,138.16. Recall 10.06 a.m.; spontaneous combustion.
Fri. 4...	484	24 Loudon avenue, Annex.	James R. Kratz.	Dwelling.	.....	8	Two-story brick.	Loss, \$44.30. Recall 6.28 p.m.; explosion of gasoline stove.
Fri. 4...	381	1381 Whatecoat st.	Thomas Ford.	Dwelling.	13 Chem. 2	10	Two-story brick.	Loss, \$183. Recall 12.01 a.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Sun. 6....	434	.....	8.46	S. E. cor. Pratt and Carey streets.	B. & O. R. R. Co.	Foundry.	.....	.....	One-story brick.	Loss, none. Recall 8.53 p.m.; smoke from window.
Mon. 7.... Automatic	872	.....	2.31	208 N. Howard st.	Charles Sons.	Dry goods store	.....	.....	Three-story brick	Loss, none. Recall 2.37 p.m.; false alarm.
Mon. 7....	274	.....	6.48	2205 Ward street.	John Schultz.	Dwelling.	.....	.....	Two-story brick.	Loss, \$93.73. Recall 7.04 p.m.; overflow- ing of gasoline.
Tues. 8....	497	.....	1.28	2023 Payson street, Annex.	Maurice Keally.	Dwelling.	.....	.....	Two-story brick.	Loss, \$30. Recall 1.41 p.m.; children play- ing with matches.
Tues. 8....	251	.....	2.34	1002 E. Chase st.	Elizabeth Weath- erstine.	Dwelling.	.....	.....	Two-story brick.	Loss, \$33.20. Recall 2.43 p.m.; pouring oil on fire.
Wed. 9....	535	.....	4.34	S. E. cor. of Pinkney and Carey streets.	Henry Slikerman	Stable.	10	6	One-story frame.	Loss, \$93.76. Recall 4.48 p.m.; boys playing with matches.
Thurs. 10. 2d alarm.	639	.....	5.01 5.36	Locust Point.	B. & O. R. R. Co.	Bonded ware- house.	2, 3, 5, 11, 12, 16, 17	3, 6	Two-and-half- story brick.	Loss, ———. Recall 7.44 a.m., Sept. 11; unknown.
Thurs. 10.	435	.....	8.20	.....	.....	.....	.....	.....	.....	Loss, none. Recall 8.31 p.m.; false alarm.
Fri. 11....	157	8.28	.....	853 S. Dallas street.	Wm. Wilhelm.	Dwelling.	.....	3	Two-story brick.	Loss, \$10. Recall 8.35 a.m.; unknown.

Fri. 11....	146	10.10	.....	238 S. High street.	Henry Leverick- hoen.	Dwelling.	.....	.....	Two-story and at- tic brick.	Loss,\$15. Recall 10.14 a.m.; explosion of a can of gasoline.
Fri. 11....	365	.....	10.07	917 Greenwillow st.	Martha Jackson.	Dwelling.	.....	.....	Two-story brick.	Loss,\$45. Recall 10.14 p.m.; explosion of coal oil lamp.
Sun. 13...	31	.....	3.41	413 N Calvert st.	Joseph DeGorgio.	Confectionery and fruit.	4, 6, 7	4	Three-story brick	Loss, ———. Recall 4.35 p.m.; unknown
Mon. 14...	639	.....	4.12	Locust Point, Ele- vator B.	Baker, Whitely & Co.	Steamer <i>Mowle</i>.	.....	.....	.....	Loss,\$10. Recall 4.39 p.m.; unknown.
Tues. 15..	191	12.20	.....	2906 O'Donnell st.	John Streckfus & Co.	Paper store and dwelling.	11	3	Three-story brick	Loss,\$247.60. Recall 12.59 a.m.; un- known.
Wed. 16...	122	9.10	.....	Baltimore & South streets.	A. S. Abell & Co.	Printing office.	.....	.....	Five-story iron.	Loss,\$200.00 Recall 9.20 a.m.; explo- sion of gas.
Wed. 16...	184	11.36	.....	2514 Hudson street.	Frederick Alder- mann.	Dwelling.	.....	.....	Two-story brick.	Loss, \$15.00. Recall 11.46 a.m.; explo- sion of gasoline stove.
Wed. 16...	273	.....	7.20	2048 Federal street.	Gustav Schultz.	Dwelling.	.....	.....	Three-story brick	Loss, none. Recall 7.34 p.m.; explo- sion of gasoline stove.
Wed. 16...	492	.....	12.03	333 W. Lombard st., Annex.	George C. Eich- ner.	Kitchen.	14	.....	One-story frame.	Loss, \$69.15. Recall 12.22 p.m.; explo- sion of gasoline stove.
Wed. 16...	362	.....	6.06	738 W. Franklin.	H. Engelbaugh.	Dwelling.	8	.....	Three-story brick	Loss,\$1. Recall 6.28 p.m.; explosion of gasoline stove.
Fri. 18....	452	.....	7.06	216 Vincent alley.	Eliza Wilson.	Dwelling.	.....	.....	Two-story brick.	Loss,\$3.50. Recall 7.31; gasoline ig- nited by a lighted match on floor.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1893.

DATE.	Box.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	IN & L.	STYLE OF BUILDING.	REMARKS.
Sat. 19....	454	9.40		1014 Milton Place.	Edward Conner.	Dwelling.	8	10	Three-story brick	Loss, \$27. Recall 10.00 a.m.; explosion of gasoline stove.
Sat. 19....	247		5.17	577 N. Gay street.	Samuel H. Stein.	Dwelling and store.			Three-story brick	Loss, \$300. Recall 5.49 p.m.; curtain ignited by lighted gas jet.
Sat. 19....	866		5.38	108 and 110 Light street.	The Gottschalk Co.	Warehouse.			Three-story brick	Loss, none. Recall 5.48 p.m.; false alarm.
Sat. 19....	39		8.11	1552 Woodyear st.	Alice Christian.	Dwelling.	13	10	Two-story brick.	Loss, \$40. Recall 8.38 p.m.; unknown.
Sat. 19....	434		11.05	32 S. Carey street.	A. F. Brown.	Dwelling.			Three-story brick	Loss, \$20. Recall 11.18 p.m.; explosion of coal oil lamp.
Sun. 20...	184		8.52	2543 Fait avenue.	William Hall.	Saloon and dwelling.			Two-story brick.	Loss, \$108.70. Recall 9.03 p.m.; explosion of coal oil lamp.
Mon. 21...	413		1.11							Loss, none. Recall 1.28 p.m.; test alarm
Mon. 21...	346		7.09	Howard street near Madison.	Unoccupied.	Unfinished building.	7		Five-story brick.	Loss, \$10. Recall 7.23 p.m.; unknown.
Mon. 21...	612		8.47	210 to 230 Hughes De Ved. street.	Sash Weight & 2 Smelting Co.			6		Loss, \$30. Recall 8.50 p.m.; overheated furnace.
						530				

Tues. 22...	184	10.03	.....	2608 Hudson street.	John Croski.	Dwelling.	11	.....	Two-story brick.	Loss, \$84.90. Recall 10.13 a.m.; children playing with matches.
Tues. 22...	182	.....	11.15	2227 to 2235 Boston street.	H. L. Thomas & Son.	Wood yard.	5, 11	3	.....	Loss, \$100. Recall 12.13 a.m.; unknown.
Wed. 23... 2d alarm.	245	.....	9.22 9.30	Madison and Forest streets.	State of Maryland.	Penitentiary.	4, 6, 7, 9, 19	1, 4	Two-story brick.	Loss, \$7,718.43. Recall 11.45 p.m.; unknown.
Thurs. 24.	185	.....	3.07	3108 Fair avenue.	John N. Barnes.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 3.15 p.m.; light from window.
Thurs. 24.	543	.....	3.27	1232 Riverside ave. 1230 "	John Marley. Adam Wagner.	Kitchen. Saloon and dwelling.	2, 12	6	Two-story frame. Three-story brick	Loss, \$230. Recall 4.20 p.m.; children playing with matches.
Thurs. 24.	64	.....	3.59	1716 William street	Mrs. Lena Russell.	Dwelling.	.....	.....	Two-story brick.	Loss, \$30. Recall 4.05 p.m.; explosion of gasoline stove.
Thurs. 24.	457	.....	8.42	1342 Mosher street.	F. S. Byron.	Dwelling.	8, 13	10	Two-story brick.	Loss, _____. Recall 9.13 p.m.; upsetting coal oil lamp.
Thurs. 24.	152	.....	10.03	23 S. Broadway.	Dr. Jas. Bennett.	Dwelling.	3, 5, 9	3	Three-story brick	Loss, \$450. Recall 11.05 p.m.; upsetting coal oil lamp.
Fri. 25... Automatic	895	.....	3.14	.....	.....	.....	.....	.....	.....	Loss, none. Recall 3.23 p.m.; false alarm.
Sat. 26...	485	4.43	.....	Dorsey lane, Annex.	George Maiss.	Stable.	14	8	Two-story frame.	Loss, \$235. Recall 6.53 a.m.; unknown
Sun. 27... 2d alarm.	437	.....	1.19 1.25	623 W. Pratt street	Chatterton Mfg. Co.	Furniture factory.	1, 8, 10, 15, 2, 4, 6	.....	Three-story brick	Loss, \$7,594.42. Recall 2.56 p.m.; unknown.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Tues. 29..	183	.....	2.24	920 Binney street.	F. W. Miller.	Dwelling.	.....	.....	Two-story brick.	Loss, \$10. Recall 2.33 p.m.; smoking pipe in bed.
Tues. 29..	247	.....	11.35	554 N. Gay street.	August Steman.	Electric pole.	6	5	.....	Loss, \$10. Recall 11.58 p.m.; electric wire.
Wed. 30 ..	335	.....	8.50	1227 Madison ave.	Joseph Leopold.	"Succah room."	.....	4	Three-story brick	Loss, \$86.55. Recall 8.57 p.m.; gas jet igniting woodwork.
<i>October.</i> Thurs. 1..	531	.....	6.02	683 Columbia ave.	Thomas Zukaneskes.	Notion store and dwelling.	10	2	Three-story brick	Loss, \$49.25. Recall 6.12 p.m.; ignition of gasoline while filling lighted stove
Sat. 3.....	39	4.15	.....	614 Baker street.	Jackson F. Walker.	Provision store and dwelling.	13	10	Three-story brick	Loss, \$77.59. Recall 5.01 a.m.; unknown
Sat. 3.....	266	6.02	.....	539 N. Central ave.	Frederick Diegel.	Shed.	6, 9	5	One-story frame.	Loss, \$32.80. Recall 6.16 a.m.; explosion of a gasoline stove;
Sat. 3.....	242	.....	9.15	503 E. Madison st.	.....	Dwelling.	.....	.....	Two-story brick.	Loss, ———. Recall 9.23 p.m.; unknown
Sun. 4.....	465	.....	3.26	320 S. Monroe st.	Henry S. Theroe.	Stable.	8, 14	10	Two-story brick.	Loss, \$261.10. Recall 4.46 a.m.; unknown
Sun. 4.....	522	.....	3.58	304 and 306 Light street.	Patrick McNamara.	Liquor store.	2, 3, 4, 15 Chem. 15	1, 2	Three-story brick	Loss, \$1,535.59. Recall 5.00 p.m.; unknown.

Sun. 4....173.....	6.49	614 S. Port street.	Louis Beiggin- man.	Dwelling(shed)	.....	One-story frame.	Loss, none. Recall 6.55 p.m.; gasoline overflowing from stove.
Mon. 5....187.....	9.16	806 Glover street.	John Wackoricki	Dwelling.	.....	Two-story brick.	Loss, \$28. Recall 9.18 p.m.; explosion of a coal oil lamp.
Tues. 6...367 11.17	.....	1045 Argyle ave.	Clara Luca.	Dwelling.	.....	Three-story brick	Loss, \$15. Recall 11.34 a.m.; flames from gasoline stove.
Tues. 6...146	6.30	118 Albemarle st.	Abraham Gold- berg.	Tailor shop and dwelling.	3, 4, 5, 6	Two story and attic brick.	Loss, \$478.48. Recall 7.51 p.m.; unknown
Tues. 6...541	6.45	211 S. Howard st.	II. H. Downs & Bro.	Trunk factory.	15	Three-story brick	Loss, none. Recall 6.57 p.m.; unknown
Wed. 7 ... 45 11.08	.....	762 W. Baltimore st.	Mmc. R. Aubrey.	Hair dressing and dwelling.	8, 15	Three-story brick	Loss, \$20. Recall 11.15 a.m.; telephone wire in contact with feed wire.
Thurs. 8...318 11.45	.....	324 N. Charles st.	Miss Louise Hoffcke.	Picture frame and dwelling.	4	Three-story brick	Loss, ———. Recall 12.03 p.m.; un- known.
Thurs. 8...418	6.45	130 N. Eutaw st.	A. B. Sutbacher.	Dry goods store	1	Three-story brick	Loss, ———. Recall 7.00 p.m.; unknown
Thurs. 8...271	8.09	944 N. Durham st.	Joseph Rubeck.	Dwelling.	19	Two-story brick.	Loss, \$84.31. Recall 8.19 p.m.; explosion of coal oil lamp.
Thurs. 8...293	9.35	Glen ave. near Ar- lington ave., An- nex, Balto. co.	John W. Jones.	Dwelling.	3, 4, 5 Chem.	Two-and-half- story frame.	Loss, ———. Recall 10.46 p.m.; defec- tive flue.
Fri. 9.....218	10.25	809 E. Baltimore st.	Christian Schap- pee & Co.	China store and dwelling.	3	Three-story brick	Loss, none. Recall ———; unknown
Sat. 10.....546 1.16	.....	15 Plum alley.	John C. Textor.	Stable.	2, 10	Two-story brick.	Loss, \$246.12. Recall 3.35 a.m.; unknown

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H & L IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Sat. 10....	442	.....	7.10	656 W. Fayette st.	Mrs. Mary Stine.	Dwelling.	.....	.....	Three-story brick	Loss, \$9.85. Recall 7.20 p.m.; overflow- ing of oil in coal oil heating stove.
Sun. 11 ..	425	.....	3.09	1016 W. Baltimore street.	Alfred Leister.	Saloon and Dwelling.	1, 8, 14	2	Three-story brick	Loss, \$487.36. Recall 4.11 a.m.; unknown
Sun. 11...	191	10.12	...	2900 Elliott street.	David Haines.	Furniture store 11 and dwelling	.....	.....	Three-story brick	Recall Loss, ———. Recall 10.30 a.m.; sparks from chimney.
Mon. 12...	638	2.54	.....	Locust Point.	B. O. R. R. Co.	Warehouse.	17	.....	Two-story iron and frame.	Loss, \$10. Recall 3.23 a.m.; electric wire.
Wed. 14...	475	11.24	.....	1604 Edmondson avenue.	Wm. O. Saville.	Dwelling.	.....	.....	Three-story brick	Recall Loss, none. Recall 11.33 a.m.; explo- sion of coal oil stove
Thurs. 15.	32	.....	9.37	.....	.....	.....	.....	.....	.....	Loss, none. Recall 9.43 p.m.; false alarm.
Fri. 16....	532	.....	8.30	511 to 521 W. Con- way street.	S. B. Sexton & Stove Son. factory.	Manu-2	.....	.....	Four-story brick.	Loss \$2.50. Recall 8.40 p.m.; hot east- ings against wood- work.
Sat. 17....	153	.....	2.26	1516 Eastern ave.	Edward Breuner	Shipping office and dwelling	.....	3	Three-story brick	Loss, \$35. Recall 2.33 p.m.; heat from stove-pipe.

Sat. 17.... 275	7.33	1356 W. North ave.	H. P. Clayton.	Dwelling.	.....	.....	Four-story brick.	Loss, none. Recall 7.47 p.m.; pouring gasoline in front of fire in range.	Recall
Sun. 18.... 173	8.20	2504 Fait avenue.	Harman Engnoth	Shed.	11	3	One-story frame.	Loss, \$118.20. Recall 8.40 a.m.; explosion of a gasoline stove.	Recall
Sun. 18.... 64	5.35	46 E. Heath street.	Joseph Fetzer.	Dwelling.	.....	.....	Two-story brick.	Loss, none. Recall 5.40 p.m.; grease boiling over.	Recall
Sun. 18.... 175	7.13	249 S. Chester st.	Chas. Rasmussen.	Paint store and dwelling.	5, 11	3	Three-story brick	Loss, \$285.65. Recall 8.08 p.m.; spontaneous combustion.	Recall
Mon. 19.... 165	10.41	13 S. Bethel street.	William Tubman	Dwelling.	3, 5, 9	3	Two-story brick.	Loss, \$190. Recall 11.12 a.m.; sparks from chimney.	Recall
Mon. 19.... 214	1.28	21 N. Exeter street.	Harris Stine.....	Dwelling.	.....	1	Three-story brick	Loss, ———. Recall 1.30 p.m.; children playing with matches.	Recall
Mon. 19.... 152	2.10	1610 E. Pratt st.	Jacob Lauden- blus.	Dwelling.	.....	3	Three-story brick	Loss, \$102.42. Recall 2.16 p.m.; explosion of a coal oil stove.	Recall
Mon. 19.... 312	7.11	208 W. Lexington st	August Schuster & Co.	Pillow and bol- ster mfg.	1	2	Three-story brick	Loss, \$576.50. Recall 7.22 p.m.; friction of machinery.	Recall
Wed. 21.... 381	6.33	1315 Prestman st.	George B. Miller.	Dwelling.	13	10	Three-story brick.	Loss, \$295.85. Recall 7.12 p.m.; unknown	Recall
Thur. 22.... 424	3.07	763 W. Lexington st.	Tobias E. Raffell.	Dwelling.	1, 8, 13	2	Three-story brick	Loss, ———. Recall 3.47 p.m.; unknown.	Recall

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Fri. 23....	295	10.40	.....	204 E. 22d street, Annex.	Robert P. Brown.	Dwelling.	18 Chem. 3	5	Three-story brick	Loss, \$60. Recall 11.15 a.m.; defect- ive constructed hearth.
Sat. 24....	471	11.10	.....	314 N. Fulton ave.	W. J. Shipley.	Dwelling.	.....	.....	Three-story brick	Loss, \$27.33. Recall 11.26 a.m.; upset- ting of a coal oil stove.
Sat. 24....	123	.....	5.16	Gay and Water sts.	U. S. Custom House.	Custom house.	.....	1	Two-story brick.	Loss, none. Recall 5.29 p.m.; unknown
Sun. 25.... 2d alarm.	221	5.25 5.29	....	222 to 226 Holliday street.	Flynn & Emerich	Machine Shop.	3, 4, 6, 9 Chem. 15	1, 2, 3, 5	Four-story brick.	Loss, \$920. Recall 7.49 a.m.; unknown
Sun. 25....	292	7.30	.....	307 Matthews ave- nue, Annex.	James H. Gallo- way.	Dwelling.	Chem. 4	9	Two-story and at- tic frame.	Loss, \$100. Recall 7.58 a.m.; explosion of a coal oil stove.
Sun. 25....	184	.....	1.18	2501 to 2519 Hud- son street.	Norton Tin-plate and Can Co.	Tin-plate mill.	.....	.....	One-story brick.	Loss, \$10. Recall 1.40 p.m.; overheated furnace.
Sun. 25....	184	.....	1.47	.....	.....	.....	.....	.....	.....	Loss, none. Recall 1.52 p.m.; false alarm.
Sun. 25....	432	.....	8.11	217 Parkin street.	John Zolkisky.	Dwelling.	10	.....	Four-story brick.	Loss, \$25. Recall 8.20 p.m.; leaking gas- oline stove.
Sun. 25....	61	.....	8.51	41 E. York street.	Mrs. Lena Rob- erts.	Dwelling.	.....	.....	Two-and-half- story brick.	Loss, \$17.50. Recall 8.57 p.m.; upset- ting lamp.

Mon. 26.... 526.....	6.50	307 and 309 S.Sharp street.	Friendly Inn.	Dwelling.	.....	.....	Four-story brick.	Loss, none. Recall 6.59 p.m.; smoke from chimney.
Tues. 27... 321	7.44	S. E. cor. of Pennsylvania avenue and Orchard st.	Moses Lodge.	Hall.	.....	.....	Three-story brick	Loss, none. Recall 7.51 p.m.; smoke from window.
Tues. 27... 381	8.49	.....	.....	.....	.....	.....	.....	Loss, none. Recall 8.56 p.m.; false alarm.
Wed. 28... 613	7.39	Hughes Street Dock	Tugboat <i>Anna Bell</i>.	.....	.....	.....	.....	Loss, ———. Recall 7.48 p.m., unknown
Thurs. 29. 471	9.00	1717 Cairo street.	Harry Duvall.	Dwelling.	.....	10	Two-story-brick.	Loss, \$30. Recall 9.15 p.m.; explosion of a coal oil lamp.
Fri. 30.... 18	12.22	2725 Boston street.	Tunis Lumber Co	Shaving separator.	11	3	One-story brick.	Loss, \$50. Recall 1.22 p.m.; back draft of boiler.
Fri. 30.... 348	12.48	1610 Guilford ave.	Unoccupied.	Dwelling.	18	5	Three-story brick	Loss, \$39.06. Recall 12.57 p.m.; badly constructed fire-place.
Sat. 31.... 189	8.56	Canton Park.	Unoccupied.	Shed.	5, 11	3	One-story frame.	Loss, \$640. Recall 11.52 p.m.; unknown.
Sat. 31.... 191	9.16	.....	.....	.....	.....	.....	.....	Loss, none. Recall 9.32 p.m.; for preceding fire.
November. Sun. 1.... 141 2.40	.....	701 President st.	Wm. D. Gill & Sons.	Office.	3	1, 3	One-story brick.	Loss, \$141. Recall 3.29 a.m.; electric wire.
Sun. 1.... 134 4.29	630 W. Falls ave.	W. W. Boyer & Co.	Out-house.	3	1	One-story frame.	Loss, \$38. Recall 4.39a.m.; unknown

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Sun. 1....	38	6.16	507 Baker street.	Rudolph Watts.	Dwelling.	13	Two-story brick.	Loss, \$43.50. Recall 6.33 p.m.; coal oil heater.
Sun. 1....	473	.....	9.35	301 N. Gilmore st.	Chas. Hildebrand	Store and dwelling.	and 8, 14	10	Three-story brick	Recall \$253.53. Recall 10.32 p. m.; un- known.
Mon. 2....	274	.....	6.45	1212 N. Chester st.	Samuel Houston.	Dwelling.	9, 19 Chem. 6	5	Two-story brick.	Recall \$195. Recall 7.14 p.m.; unknown
Mon. 2....	365	1.11	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 1.20 a.m.; false alarm.
Mon. 2....	482	2.52	.....	605 Bentalon street	Jacob Freedman.	Dwelling.	10, 14 Chem. 1	10	Two-story.	Loss, \$188.59. Recall 4.05 a.m.; explosion of a coal oil stove.
Mon. 2....	535	.....	8.33	1408 Carroll street.	Chas. Milbourne.	Dwelling.	.....	.....	Two-story brick.	Loss, \$5. Recall 8.41 p.m.; explosion of coal oil lamp.
Tues. 3....	285	.....	7.57	332 Harford ave- nue, Annex.	A. Shesewski.	Blacksmith shop.	19 Chem. 5	.....	One-story brick.	Loss, \$120.90. Recall 8.29 p.m.; fire from forge.
Wed. 4....	624	.....	12.37	Sharp and Cross sts.	City of Baltimore	School-house.	.....	.....	Two-story brick.	Loss, none. Recall 12.43 p.m.; false alarm.
Wed. 4....	434	.....	1.38	53 Stockholm st.	Rachael Diggs...	Dwelling.	.....	.....	Two-story brick.	Loss, \$40. Recall 1.48 p.m.; overheated stove.

Fri. 6. 372	10.50	..... street. 1133 Parrish alley.	Son. Eliza Jones.	Storage house.	.....	.....	Two-story brick.	Loss, \$281.06. Recall 4.42 a.m.; unknown
Fri. 6. 255	.....	1227 North avenue.	George W. Berry	Dwelling.	.....	10	Two-story brick.	Loss, \$26. Recall 11.14 a.m.; unknown.
Fri. 6. 475	.....	705 N. Gilmer st.	Chas. H. Hugins.	Dwelling.	.....	19	Three-story brick	Loss, \$50. Recall 7.56 p.m.; lighted gas jet setting fire to mosquito net.
Sat. 7. 31	1.53	102 E. Pleasant st.	Mrs. Richard Lamb.	Dwelling.	4, 6	1	Two-story and attic brick.	Loss, \$291.75. Recall 2.40 a.m.; unknown
Sat. 7. 262	8.04	1813 E. Chase st.	Mrs. Mary Hess.	Dwelling.	.....	.....	Three-story brick	Loss, \$25. Recall 8.20 a.m.; unknown.
Sat. 7. 214	.....	101 N. Exeter st.	Mrs. Dora Gold- man.	Dwelling.	6	1	Two-story and attic brick.	Loss, \$55. Recall 5.59; explosion of a gasoline stove. Mrs. Goldman was severely burned, both hands.
Tues. 10. 543	1.34	301 E. West street.	Angust Heying.	Bakery and dwelling.	12	6	Two-story brick.	Loss, \$99.63. Recall 1.43 a.m.; lighted gas jet igniting pan of lard.
Tues. 10. 243	3.27	802 Ensor street.	Henry Lewis.	Dwelling.	6, 9	5	Three-story brick	Loss, \$81.14. Recall 4.10 a.m.; unknown
Wed. 11. 491	.....	Cor. Catherine and Fayette sts., Annex.	Henry Eckert.	Stable.	14	8, 10	Two-story stone.	Loss, \$140. Recall 3.55 p.m.; unknown
Wed. 11. 233	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 5.55 p.m.; false alarm.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How Occupied.	ENGINES IN SERVICE.	H. & L. SERVICE.	STYLE OF BUILDING.	REMARKS.
Wed. 11...	23	.....	6.10	1409 May street.	Ella Reed.	Grocery store and dwelling	3, 6	.....	Two-story and attic brick.	Loss, \$298.90. Recall 6.26 p.m.; explosion of coal oil lamp.
Thurs. 12. 214	214	.....	8.25	1018 E. Fayette st.	James Gray.	Slipper factory and dwelling	.....	.....	Two-story and attic brick.	Loss, \$56.84. Recall 8.31 p.m.; upset- ting coal oil lamp.
Fri. 13....	273	.....	11.07	2504 E. Hoffman st.	Sanford Maddox.	Dwelling.	9, 19 Chem. 6	5	Double two-story and attic frame.	Loss, \$325. Recall 1.25 a.m., Novem- ber 14; unknown.
Fri. 13....	396	9.54	.....	15 Union avenue, Annex.	William Berry.	Cigar store and hall.	Chem. 7.	9	Two-story brick.	Loss, \$89.18. Recall 10.45 a.m.; tar boil- ing over.
Fri. 13....	43	.....	7.10	700 W. Lombard st.	Mrs. Tivona Tamer.	Dwelling.	15	.....	Three-story brick	Loss, \$50.75. Recall 7.19 p.m.; explo- sion of gasoline stove.
Sat. 14....	185	9.14	.....	1000 Eastern ave.	Chas. Baumbach.	Dwelling.	.....	.....	Two-story brick.	Loss, ———. Recall 9.25 a.m.; boiling over of grease.
Sat. 14....	48	.....	12.10	2240 McHenry st., Annex.	Frank Weiler. Lizzie Muenzing.	Dwelling.	14 Chem. 1	8, 10	Three-story brick	Loss, \$415. Recall 1.23 p.m.; child playing with fire.
Sun. 15....	633	10.49	.....	1501 Jackson st.	Henry Wiedeck.	Grocery store and dwelling	12	.....	Two-story brick.	Loss, \$105.90. Recall 11.04 a.m.; explo- sion of gasoline stove.

Mon. 16 ..	247 ..	8.13	sylvania avenue. 1126 E. Monument street.	George Shelling.	Undertaking establishment and dwelling.	6	5	Two-story and attic brick.	Loss, \$70. Recall 8.27 p.m.; unknown
Mon. 16 ..	535 ..	12.35	1402 Ward street.	Henrietta Marshall.	Dwelling.	10	6	Two-story brick.	Loss, \$46.25. Recall 3.00 p.m.; overheated stove-pipe.
Wed. 18 ..	51 ..	12.10	34 E. Pratt street.	James Bailey & Son.	Drug house.	4, 15	1	Three-story brick	Loss, \$313.95. Recall 12.18 p.m.; explosion of chemicals.
Wed. 18 ..	368 ..	5.34	686 Sarah Ann st.	R. F. Harris.	Dwelling.	8, 13	4	Two-story brick.	Loss, \$5. Recall 6.06 p.m.; unknown.
Thur. 19 ..	146 11.45	.....	233 Albemarle st.	Patrick Kavanaugh.	Dwelling.	3, 4	1	Three-story brick	Loss, \$75.00. Recall 11.57 a.m.; explosion of gasoline stove.
Fri. 20 ..	212 12.16	.....	19 N. Frederick st.	Sigmund Junger.	Printing office.	.....	1	Three-story and attic brick.	Loss, \$35. Recall 12.26 a.m.; defective hearth.
Fri. 20 ..	63 10.50	.....	1312 Light street.	Henry F. Meyers	Dwelling.	.....	6	Three-story brick	Loss, \$72.65. Recall 10.55 a.m.; explosion of coal oil stove
Fri. 20 ..	612 ..	8.59	S. W. cor. York and William sts.	U. S. Sash Weight Co.	Foundry.	.....	6	Two-story brick.	Loss, \$50. Recall 9.08 p.m.; heat from cupola.
Sat. 21 ..	616 8.34 2d alarm 616 8.43	.....	Warner's Wharf, S. end of Winder st.	Chesapeake Guano Co.	Factory.	1, 2, 10, 12, 15, 16, 17	2, 6, F. W. D.	Three-story brick and one and two-story frame	Loss, ——. Recall 9.25 p.m.; friction of machinery.
Sun. 22 ..	247 ..	4.11	710 N. Gay street.	T. O. Day.	Bakery and dwelling.	4, 6, 9	5	Three-story brick	Loss, ——. Recall 4.40 p.m.; unknown
Tues. 24 ..	213 ..	2.37	917 Low street.	Mrs. Annie Page.	Dwelling.	6	Two-story and attic brick.	Loss, ——. Recall 3.00 p.m.; unknown

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DATE.	No.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	HOW OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Tues. 24.	189	.....	6.47	.....	.....	.....	.....	.....	.....	Loss, none. Recall 7.23 p.m.; false alarm.
Thurs. 26.	167	.....	12.17	1724 Eastern ave.	Philip Weitzel.	Saloon and dwelling.	.....	3	Three-story brick	Loss, ———. Recall 12.24 p.m.. explo- sion of gasoline stove.
Fri. 27....	498	12.59	.....	Franklin road and toll-gate.	L. McCormick.	Carriage fac- tory.	8, 14 Chem. 1	8, 10	Three-story brick	Loss, ———. Recall 6.36 a.m.; unknown
Fri. 27 ...	495	1.07	.....	.....	M. McCormick.	.....	.....	.....	.....	Loss, none. Recall 1.47 a.m.; preced- ing fire.
Fri. 27 ...	49	4.14	.....	6 Pulaski street.	George Coun.	Dwelling.	13	.....	Two-story brick.	Loss, \$73. Recall 4.35 a.m.; unknown.
Fri. 27....	48	.....	4.55	15 Frederick ave- nue, Annex.	Ottenheimer Bros	Storage house.	14	.....	Two-story brick.	Loss, \$46. Recall 5.16 p.m.; unknown.
Sat. 28....	361	11.43	.....	248 Pearl street.	Mrs. Augusta Lancaster.	Dwelling and 1 store.	1	2	Three-story brick	Loss, ———. Recall 12.02 p.m.; defective flue.
Sat. 28....	524	.....	1.40	400 S. Charles st.	John F. Warner & Co.	Factory and 2 dwelling.	2	6	Three-story brick	Loss, \$48.50. Recall 1.49 p.m.; sparks from chimney.
Sun. 29....	435	.....	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 12.45; false alarm.
Sun. 29....	439	.....	.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 1.42; false alarm.

Mon. 29....	1.09	10.33	.....	223 S. Duncan alley	John Glock.	Dwelling.	.....	3	Two-story brick.	Loss, \$30. Recall 11.02 a.m.; children playing with matches.
Sun. 29....	4.24	.....	7.04	803 W. Fayette st.	Mrs. Wm. Engel.	Dwelling.	8	2	Three-story brick	Loss, \$58. Recall 7.20 p.m.; unknown.
Mon. 30....	34	.....	1.45	1016 and 1018 N. Charles street.	Mrs. M. Munnicksen.	Dwelling.	.....	.....	Three-story brick	Loss, none. Recall 2.04 p.m.; smoke over roof.
Mon. 30 ..	452	.....	7.26	202 N. Stricker st.	Benjamin C. Badger.	Dwelling.	.....	.....	Three-story brick	Loss, \$140. Recall 7.35 p.m.; lace curtain ignited by lighted gas jet.
<i>December.</i>								5	One-story frame.	Loss, ———. Recall 8.25 a.m.; overheated stove.
Tues. 1....	264	8.06	.....	615 N. Central ave.	Theodore Copeland.	Upholstering establishment	9	10	Two-story brick.	Loss, ———. Recall 10.40 a.m.; coal oil stove.
Tues. 1....	472	10.19	.....	1431 N. Fulton ave.	W. Eckert.	Dwelling.	.....	.....	Two-story brick	Loss, ———. Recall ——— p.m.; explosion of gas meter.
Tues. 1....	62	.....	4.36	20 E. Cross street.	Laura Dixon.	Saloon and dwelling.	.....	.....	Three-story brick	Loss, ———. Recall 11.08 a.m.; coal oil stove.
Wed. 2....	216	10.59	.....	407 Aisquith street.	Louis H. Dougherty.	Dwelling.	6	.....	Three-story brick	Loss, ———. Recall 3.38 p.m.; explosion of a coal oil stove.
Wed. 2....	615	.....	3.31	212 E. Fort avenue.	James R. Gunther.	Bakery and dwelling.	.....	.....	Three-story brick	Loss, ———. Recall 5.21 p.m.; sparks from pipe.
Wed. 2....	451	4.52	1106 Edmondson avenue.	George F. Hobbs.	Dwelling.	8, 13	10	Three-story brick	Loss, ———. Recall 10.05 p.m.; false alarm.
Thurs. 3..	439	9.57

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Fri. 4.....	452.....	6.20.....	1424 W. Fayette st.	Chas. F. Wilkins.	Dwelling.	8, 13, 14	10	Three-story brick	Loss, —. Recall 7.06 p.m.; children playing with matches.
Fri. 4.....	185.....	5.51.....	.....	.....	.....	.....	.....	.....	Loss, none. Recall 6.00 p.m.; false alarm.
Sat. 5.....	427 9.27	.....	528 and 530 W. Lexington street.	F. L. Lawrence.	Grocery store.	1	2	Three-story brick	Loss, —. Recall 9.34 a.m.; upsetting lighted candle.
Sat. 5.....	217 9.44	.....	613 Constitution st.	William Barry.	Dwelling.	.....	.....	Two-story brick.	Loss, —. Recall 9.49 a.m.; rags falling on stove.
Sat. 5.....	535 11.25	.....	1247 Columbia ave.	George W. Austin	Dwelling.	10	.....	Two-story brick.	Loss, —. Recall 11.44 a.m.; children playing with matches.
Sat. 5.....	517.....	7.23.....	Cor. Bush and Os- tend streets.	Burns & Russell.	Shed.	2, 12	6	One-story frame.	Loss, —. Recall 8.17 p.m.; sparks from a locomotive.
Sat. 5.....	176.....	10.40.....	219 Montford ave.	Miss Lida Davis.	Dwelling.	9	3	Three-story brick	Loss, —. Recall 10.49 p.m.; unknown.
Sun. 6....	262 1.39	.....	1606 E. Chase st.	Oliver L. Stewart	Building.	9, 19	5	Two-story frame.	Loss, —. Recall 2.14 a.m.; incendiary.

Date	Time	Place	Name	Address	Value	Loss	Recall
Sun. 6	472	6.38	Mrs. Theresa Drexel.	1634 N. Fulton ave.	6.38	Two-story brick.	Loss, call 12.57 p.m.; child playing with matches.
Mon. 7	482	12.53	Charles Dietrick.	2117 Christian st.	12.53	Two-story brick.	Loss, call 11 6.53 p.m.; lighted lamp ignited curtain.
Mon. 7	156	1.38	S. Schloss.	1707 Thames street.	1.38	Three-story brick	Loss, call 1.46 p.m.; explosion of a gasoline stove.
Mon. 7	182	5.33	Martin Wagner & Co.	2315 Boston street.	5.33	Four-story brick.	Loss, call 5.41 a.m.; can of gasoline ignited by lighting gas jet.
Mon. 7	183	10.43	John E. Prichard	1010 Chesapeake st.	10.43	Two-story brick.	Loss, call 10.55 p.m.; upsetting coal oil stove.
Tues. 8	188	8.42			8.42		Loss, none. Recall 8.50 p.m.; false alarm.
Tues. 8	818	9.10			9.10		Loss, none. Recall 9.19 a.m.; false alarm.
Tues. 8	345	5.57	Mrs. Levin Jones	1811 Maryland ave.	5.57	Three-story brick	Loss, call 6.05 p.m.; sparks from stove.
Tues. 8	336	11.44	Clark, Colmary & Co.	307 Mulberry st.	11.44	Four-story brick.	Loss, call 12.02 a.m.; unknown.

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Wed. 9....	273	12.13	1603 N. Castle st.	A. Hilberger.	Stable.	9, 19	3	One-story frame.	Loss, ———. Recall 1.00 a.m.; unknown
Wed. 9..	264	6.32	.....	1604 E. Monument street.	Henry Becker.	Dwelling.	.....	.....	Three-story brick	Loss, ———. Recall 6.41 a.m.; overflow of a coal oil stove.
Wed. 9....	452	.....	8.12	1503 W. Lexington street.	Dr. A. A. White.	Dwelling.	.....	.....	Four-story brick.	Loss, ———. Recall 8.24 p.m.; defective hearth.
Thurs. 10.	31	7.04	.....	363 Davis street.	Unoccupied.	Dwelling.	.....	.....	Two-story brick.	Loss, ———. Recall 7.10 a.m.; incen- diary.
Thurs. 10.	37	9.05	.....	1017 W. Lanvale st.	Ellen Caughey.	Dwelling.	13	10	Three-story brick	Loss, ———. Recall 9.21 a.m.; unknown
Thurs. 10.	535	9.46	.....	1221 Columbia ave.	Robert Wilson.	Saloon and dwelling.	and 10	.....	Two-story brick.	Loss, ———. Recall 9.56 a.m.; flames from gasoline stove.
Fri. 11....	6	9.33	.....	36 S. Calvert street.	Jno. H. Williams & Co.	Warehouse.	3, 4, 15	1, 2	Four-story brick.	Loss, ———. Recall 10.09 a.m. over- heated boiler.
Fri. 11....	237	.....	12.37	541 N. Washington street.	Henry Ripple.	Dwelling.	.....	.....	Two-story brick	Loss, ———. Recall 12.50 p.m.; over- flow of oil while filling stove.
Fri. 11....	155	...	2.43	301 S. Bond street.	F. Parus.	Grocery store and tenement	.....	3	Three-story and attic brick.	Loss, ———. Recall 2.51 p.m.; heat from oil stove.

Fri. 11....	636.....	8.21	North end of Jones Shaw Bros. street.		Shed.	16	6	One-story frame. Loss, ———. Recall 8.58 p.m.; over-heated stove.
Sat. 12....	545.....	9.05	801 Scott street.	John A. Kearney	Dwelling and laundry.			Three-story brick Loss, ———. Recall 9.09 a.m.; explosion of gasoline stove.
Sat. 12....	497.....	2.11	2028 Walbrook avenue, Annex.	Morris Kealy.	Dwelling.	13, 14 Chem. 2	8	Two-story brick. Loss, ———. Recall 3.03 p.m.; unknown
Sat. 12....	386.....	5.32	2421 Eutaw Place, Annex.	John C. Brooks.	Dwelling.		4	Three-story brick Loss, ———. Recall 6.03 p.m.; burning chimney.
Sun. 13....	51.....	2.29	110 E. Pratt street.	Wm. J. Hooper & Co.	Warehouse.	4	1	Four-story brick. Loss, ———. Recall 3.32 a.m.; over-heated furnace.
Sun. 13....	392.....	5.32	31st st. near Huntington avenue. Annex.	Hopkins Orphan Asylum (Col.)	Asylum.			Four-story brick. Loss, ———. Recall 5.50 p.m.; unknown.
Mon. 14....	324.....	6.00	942 Druid Hill ave.	John M. Enger.	Store and dwelling.			Two-story and attic brick. Loss, ———. Recall 6.06 p.m.; flowers ignited by lighted gas jet.
Mon. 14....	251.....	10.01	1039 Harford ave.	Henry Lortz.	Dwelling.			Three-story brick Loss, ———. Recall 10.10 p.m.; explosion of coal oil lamp.
Tues. 15....	485.....	6.29	935 Frederick ave., Annex.	Unoccupied.	Dwelling.	14 Chem. 1	8	Two-story frame. Loss, ———. Recall 7.24 p.m.; incendiary.
Tues. 15....	543.....	7.10	214 E. Cross street.	Louis Kromm.	Dwelling.		6	Three-story brick Loss, ———. Recall 7.23 p.m.; upsetting coal oil lamp.

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Tues. 15...	163	9.10	111 S. Wolfe street.	Elizabeth Rouse.	Bakery and dwelling.	Three-story brick	Loss, ———. Recall 9.28 p.m.; Mrs. E. Rouse's clothing catching fire from sitting too close to stove, burning her fatally, and dying one hour after.
Wed. 16...	381	...	7.31	1436 Vincent alley.	Unoccupied.	Dwelling.	13	10	Two-story brick.	Loss, ———. Recall 7.51 p.m.; unknown
Thur. 17...	262	8.58	.....	946 Broadway	Wilford Witts.	Laundry and dwelling.	9	5	Three-story brick	Recall 9.14 a.m.; grease boiling over.
Fri. 18....	463	4.52	.....	1607 McHenry st.	William Wilkin-son.	Dwelling.	14	10	Three-story brick	Recall 5.20 a.m.; pouring oil on fire.
Fri. 18....	454	.....	6.06	716 N. Arlington avenue.	Mrs. Emma Stansbury.	Dwelling.	.....	.....	Three-story brick	Recall 6.19 p.m.; explosion of gasoline stove.
Sat. 19....	244	.....	1.23	.....	.....	.....	.....	.....	.....	Loss, none. Recall 1.29 p.m.; false alarm.
Sat. 19....	146	.....	1.39	303 S. High street.	Unoccupied.	Dwelling.	3, 6	1, 3	Two-story and attic frame.	Loss, ———. Recall 2.16 p.m.; sparks from chimney.

Sat. 19.... 257	3.48	1512 Harford ave.	Miss Lilly Johns, Shed.	19	5	One-story frame.	Loss, _____. Recall 4.26 p.m.; set on fire by boys.
Sun. 20.... 65	2.44	2445 Hanover st.	Frank McComas, Shed.	.....	6	One-story frame.	Loss, _____. Recall 2.52 p.m.; explosion of gasoline stove.
Sun. 20.... 64	3.26	1626 Light street.	William Voyce, Dwelling.	.....	.....	Three-story brick	Loss, _____. Recall 3.30 p.m.; explosion of gasoline stove.
Mon. 21.. 429 10.45 .....	.....	1314 W. Baltimore street.	B. Goldman, Shoe store and dwelling.	8, 14	.....	Three-story brick	Loss, _____. Recall 11.00 a.m.; gas meter taking fire.
Mon. 21.. 452	5.09	1500 W. Lexington street.	Mrs. M. France, Dwelling.	.....	.....	Three-story brick	Loss _____. Recall 5.21 p.m.; lighted gas jet ignited curtain.
Mon. 21... 232	8.45	40 N. Caroline st.	E. B. Amithor, Dwelling.	9	3	Two story and attic brick.	Loss, _____. Recall 9.00 p.m.; unknown
Mon. 21 .. 437	9.07	213 S. Greene st.	David Pitt, Dwelling.	15	2	Three-story brick	Loss, _____. Recall 9.22 p.m.; incendiary.
Mon. 21 .. 184	10.11	.....	.....	.....	.....	.....	Loss, none. Recall 10.16 p.m.; false alarm.
Mon. 21... 168	10.21	2008 Canton ave.	Henry Yeoger, Dwelling and store.	and 15	.....	Three-story brick	Loss, _____. Recall 10.37 p.m.; upsetting coal oil stove.
Mon. 21 .. 155	10.22	302 S. Eden street.	George Briscoe, Dwelling.	.....	.....	Two-story brick.	Loss, _____. Recall 10.39 p.m.; explosion of gasoline.
Tues. 22... 244 3.10 .....	.....	833 Neighbor st.	Jeremiah Cronin, Dwelling.	6	5	Three-story brick	Loss, _____. Recall 3.36 a.m.; hot coals from fire-place.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How OCCUPIED.	ENGINES IN SERVICE.	H. & L. IN SERVICE.	STYLE OF BUILDING.	REMARKS.
Tues. 22.	483	10.21	.....	12 Stinson street, Annex.	E. M. Romoser.	Slaughter houses.	14, 20 Chem. 1.	8, 10	Two-story brick.	Loss, ———. Recall 1.13 p.m.; unknown
				14 Stinson street, Annex.	John Frederick.	Smoke houses.			Two-story frame.	
Tues. 22.	631	.....	3.37	Cor. of Charles and Ostend sts.	City of Baltimore	School G. & P.	.....	6	Two-story brick.	Loss, ———. Recall 3.58 p.m.; defective flue.
Tues. 22.	287	.....	4.37	2499 York road, Annex.	Unoccupied.	Stable.	18 Chem. 4	7	Two-story frame.	Loss, ———. Recall 5.17 p.m.; unknown
Tues. 22.	381	.....	6.21	1428 Mount street.	P. F. Dudley.	Dwelling.	.....	10	Three-story brick	Loss, ———. Recall 6.40 p.m.; leaking gasoline stove.
Tues. 22.	381	.....	7.51	1459 Parrish alley.	Unoccupied.	Dwelling.	8, 13, 14 Chem. 2	10	Two-story brick.	Loss, ———. Recall 9.14 p.m.; incen- diary.
Wed. 23.	254	12.31	.....	6 Andrew avenue, Annex.	John Murray.	Dwelling.	.....	5	Two-story brick.	Loss, ———. Recall 12.50 a.m.; over- heated stove.
Wed. 23.	166	1.11	.....	Foot of Wolfe street	Captain French.	Steamship.	5, 16	3	.....	Loss, ———. Recall ———; smoking pipe in bed.
Thurs. 24.	165	11.47	.....	1518 E. Baltimore street.	F. A. Pfoe.	Store and dwelling.	3, 9	3	Three-story brick	Loss, ———. Recall 12.15 p.m.; defect- ive flue.
Thurs. 24.	325	.....	12.08	1201 Druid Hill ave	Jerry Lanahan.	Saloon and dwelling. 550	.....	.....	Three-story brick	Loss, ———. Recall 12.15 p.m.; explo- sion of coal oil stove

Thur. 24.	10.46	350 North street.	Unoccupied.	Dwelling.	4, 6, 7	1	Three story and Loss, —, Recall attic brick. 12.22 a.m.; incen- diary.
Fri. 25.	351 9.38	337 Dolphin street.	E. L. Carter.	Dwelling.	7	4	Three-story brick Loss, —, Recall 10.23 a.m.; defective flue.
Fri. 25.	545	1.43 Wicomico street near Cross street.	Chesapeake Stove Co.	Boiler house.	2, 10	6	One-story brick. Loss, —, Recall 2.09 p.m.; sparks from furnace.
Fri. 25.	155	2.05 309 S. Dallas street.	Mamie Hopkins and others.	Dwelling.	3, 5, 11	3	Three-story brick Loss, —, Recall 2.34 p.m.; smoking cigar in bed.
Fri. 25.	63	4.46 120 Ostend street.	Edward Bingham holds.	Dwelling.	.....	.....	Two-story brick. Loss, —, Recall 4.51 p.m.; lighted candle igniting bush
Sat. 26.	294 2.37	21 Taylor street, Annex.	Henry Link.	Dwelling.	19 Chem. 4, 5	5	Three-story brick Loss, —, Recall 3.40 a.m.; lamp ig- niting ceiling.
Sat. 26.	327 9.14	1526 Eutaw Place.	Louis Stearn.	Dwelling.	7, 13	4	Three-story brick Loss, —, Recall 10.05 a.m.; defect- ive flue.
Sat. 26.	357	1.43 Cor. Hoffman st. and Jenkins alley	Unoccupied.	Stable.	.....	4	Two-story brick. Loss, —, Recall 1.54 p.m.; unknown
Sat. 26.	229	9.49 203 N. Washington street.	Frederick Preller	Dwelling.	.....	.....	Three-story brick Loss, —, Recall 10.00 p.m.; lighted candle set fire to Christmas tree.
Sun. 27.	418 12.01	309 W. Lexington street.	Kollers & Bern- heimer.	Variety.	1, 2, 4, 6, 7, 8, 10, 15	1, 2, 4, 6	Three-story brick Loss, —, Recall 3.40 a.m.; unknown
Sun. 27.	365	5.48 911 Pennsylvania avenue.	Charles Liberti.	Confectionery store and dwelling.	.....	4	Three-story brick Loss, —, Recall 6.08 p.m.; unknown
Sun. 27.	486	4.14 7 Young st., Annex	Henry Straus.	Coal and wood yard.	14 Chem. 1	8, 10	One-story frame. Loss, —, Recall 5.28 p.m.; over- heated stove.

RECORD OF FIRES AND ALARMS FOR THE YEAR ENDING DECEMBER 31, 1896.

DATE.	Box.	Hour A.M.	Hour P.M.	LOCALITY.	OCCUPANT.	How Occupied.	Engines in Service.	H. & L. IN Service.	STYLE OF BUILDING.	REMARKS.
Sun. 27...	436	.....	9.50	510 King street.	Mrs. Sarah Curtis	Dwelling.	15	.....	Three-story brick	Loss, ———. Recall 9.56 p.m.; carelessness of occupant.
Sun. 27...	159	.....	10.25	Cor. Eastern ave. and Bethel st.	Holy Rosary Church.	School.	.....	3	Three-story brick	Loss, ———. Recall 11 10.38 p.m.; caused by May Makraski pushing curtain against gas jet; the audience es- caped and no one injured.
Mon. 28...	326	4.39	.....	1410 Druid Hill avenue.	E. B. Towson.	Dwelling.	7, 13	4	Three-story brick	Loss, ———. Recall 5.38 p.m.; coal oil stove heat.
Mon. 28...	454	.....	5.43	521 N. Schroeder st	Rev. P. F. Dug- gan.	Dwelling.	8, 13	10	Three-story brick	Loss, ———. Recall 6.20 p.m.; defective gas governor.
Mon. 28...	365	.....	7.03	1002 Shields alley.	Martha Smith.	Dwelling.	.....	4	Two-story brick.	Loss, ———. Recall 7.14 p.m.; curtain ignited by lighted lamp.
Mon. 28...	521	.....	8.05	21 W. Camden st.	Daniel Harrison.	Dwelling.	2	.....	Two-story brick.	Loss, ———. Recall 8.12 p.m.; overflow of coal oil from stove.

Mon. 28...	9.01	231 S. Eden st.	Harris Joffe.	Dwelling.	.....	3	Two-story brick.	Loss, —. Recall 9.10 p.m.; upsetting gasoline stove.
Tues. 29...	637 9.46	Cor. Claggett and Andre streets.	Zell Guano Company.	Factory.	17	.....	Three-story frame.	Loss, —. Recall 10.04 a.m.; friction of machinery.
Tues. 29...	431	726 W. Pratt st.	Mrs. Margaret Patterson.	Dwelling.	.....	.....	Three-story brick	Loss, —. Recall 4.25 p.m.; heat from register.
Wed. 30...	632 10.38	Clement and Fifth lane.	N.M. Rittenhouse	Boiler shed.	17	6	One-story frame.	Loss, —. Recall 11.05 a.m.; fire from furnace.
Wed. 30...	312 4.26	206 Park avenue.	J. Hillman & Co.	Store and factory.	1, 2, 4, 7, 15	1, 2	Four-story brick.	Loss, —. Recall 5.41 a.m.; unknown
Wed. 30...	185	3001 Hudson st.	Margaret Zell.	Grocery and dwelling.	.....	.....	Two-story brick.	Loss, —. Recall 6.55 p.m.; Christmas tree ignited by a lighted candle.
Thurs. 31.	254	2002 York road.	Charles Becker.	Dwelling.	.....	.....	Three-story brick	Loss, —. Recall 8.40 p.m.; smoke from window.
Thurs. 31.	451	504 N. Carey st.	Miss Helen Taylor.	Dwelling.	.....	10	Three-story brick	Loss, —. Recall 11.15 p.m.; unknown
				553				

REPORT

OF THE

Superintendent Police and Fire-Alarm Telegraph.

1896.

REPORT.

To the Honorable, the Board of Fire Commissioners of Baltimore :

On the 2d of March last, I assumed the duties of Superintendent of Fire alarm Telegraph. Since that time, new regulations have been made, from time to time, tending to improve the service of this branch of the department. Of these you have been kept informed.

KEYS PLACED ON DOORS OF BOXES TO PREVENT DELAYS IN SOUNDING ALARMS.

One of the first, and perhaps the most important improvement made was the equipping of all boxes (except keyless doors) with a small iron box fastened to the outside door of the fire-alarm boxes, containing the key. These boxes are provided with a glass front on which are printed instructions in bold type for the information of the public. Much valuable time is saved by this arrangement, and I believe boxes so equipped are preferable to the keyless doors. Several cases have come under my observation, where the person desiring to turn in an alarm from a keyless box has simply turned the handle of the outer door, thereby ringing the gong, and thinking that the alarm had been sent in, left the box without having in any way notified the department.

DAMAGE TO OVERHEAD CIRCUITS CAUSED BY STORMS.

During the months of September and October, we had severe storms, which did great damage to the overhead circuits, but in each case repairs were speedily made, and there was no section of the city without protection for any great length of time.

FIRE AND POLICE SUBWAY

Section 1 of the underground system, embracing that section of the city bounded by Madison and Biddle streets on the north, Hamburg street and the water front on the south,

Central avenue on the east, and Fremont street on the west, has been completed, and is giving entire satisfaction.

Sections 2 and 3 of the underground system have been completed, so far as the ducts and laying of cables are concerned, and the overhead boxes are now being transferred to the underground system. The change from overhead to underground is of incalculable benefit, and while there is a large area not yet covered by the underground, it extends over the most dangerous sections of the city.

GENERAL SUBWAY SYSTEM.

In view of the recent vote on the question of subways all wires should be put underground as speedily as possible thus removing a menace to life and property, and a serious obstruction to the Fire Department in case of a conflagration.

BOXES PAINTED AND INSPECTED.

During the year all fire-alarm boxes have been painted. They have also been inspected and tested at regular intervals.

NEW OFFICE.

The present quarters on the ground floor of the City Hall did not appear to me to be well adapted so as to produce the best results. Accordingly, three rooms on the fourth floor were placed at our disposal, and I am now fitting them up preparatory to moving the office to that part of the building. The new quarters are commodious, and seem to be in every way adapted for the use of the fire-alarm department. The cost of new equipment, moving, etc., will be about \$2,000 which has been fully provided for in the appropriation for the coming year. The gravity battery now in use will be replaced with storage battery of the latest type, which will very materially reduce the battery expense, and also give much better results.

The two new switch-boards are of the double spring jack pattern, with sixty straps each, all instrument connections being made by means of cords, thus rendering the equipment pliable and interchangeable. In addition to the new equipment already provided, I most respectfully recommend the purchase of a new four-dial manual repeater during the year.

NEW LINES BUILT.

Acting under instructions from the Water Board, I have built metallic telephone circuits to the following reservoirs and stations: Mt. Royal, Druid Lake, Hampden, Lake Roland, Loch Raven, Guilford, Montebello, Clifton, Wolfe street and Old City Hall. These lines have been well constructed of No. 12 hard drawn copper wire, and are now being equipped with 'phones. The construction of these lines adds about twenty miles of pole line to this department.

NEW BOXES.

The following new boxes have been placed in service since the 2d of March:

138, Merchants & Miners' Transportation Co., Block street near West Falls avenue.

225, German Orphans' Home, Aisquith near Orleans street.

249, Crown Cork and Seal Co., Monument and Constitution streets.

379, Crown Cork and Seal Co., 301 Girard avenue.

487, Claremont Stock Yards.

488, Eigenbrodt Brewing Co., 28-40 Wilkens avenue.

499, Lipps' Soap Factory, Hollins street and Calverton road.

639, Cuba and Andre streets.

681, Ferry Bar, north end of Long Bridge—

Making a total of 365 boxes now in service.

ADDITIONAL BOXES REQUIRED.

The number of street boxes is entirely inadequate to afford proper protection to all sections of the city. We should have at least one hundred more.

The following statement bears out the assertion that we have less boxes compared with the total population than other cities throughout the United States.

<i>City.</i>	<i>Population.</i>	<i>No. of Boxes.</i>
Baltimore.....	540,298	365
Boston.....	500,000	556
Buffalo.....	335,709	352
Brooklyn.....	1,100,000	914
Chicago.....	1,700,000	2,397
Cincinnati.....	355,000	430
St. Louis.....	615,000	818
St. Paul.....	150,000	174

During the summer and fall, a number of old poles have been replaced with new ones, and many changes made in the overhead circuits.

NO. 20 ENGINE.

On December 19th, New Engine House No. 20 was connected with the various circuits and put in service.

UNIFORMS.

The order requiring all employees of this department to be uniformed, and the style adopted, has been very favorably commented upon.

CITY HALL CLOCKS.

The electric clocks in the various offices in the City Hall, as well as the large clock in the dome, have been placed under the care of this department. They require considerable attention, which, however, has not in any way interfered with any other work.

Our wagons, construction and repair tools are in good condition, and will be the source of very little expense during the coming year.

CHANGE IN TELEPHONE SYSTEM.

I believe a change in our engine house telephone service and equipment would produce more satisfactory results.

I would recommend that an exchange be established in the fire-alarm office, and the lines equipped with modern apparatus. This change would necessitate the employing of three additional operators at a nominal salary, but I believe the improvement in the service would off-set the expense.

APPROPRIATION NECESSARY FOR 1897.

Salaries.....	\$18,000 00
Moving office and new equipment.....	2,000 00
Changing and equipping telephone lines.....	3,500 00
Material, extra labor, etc.....	8,500 00
" " " " Annex.....	1,000 00
	<hr/>
	\$33,000 00

SPECIAL SIGNALS.

The following special signals have been adopted: "9" followed by one round of the box on large gong, call for second salvage corps wagon. "9,9,9," pay day.

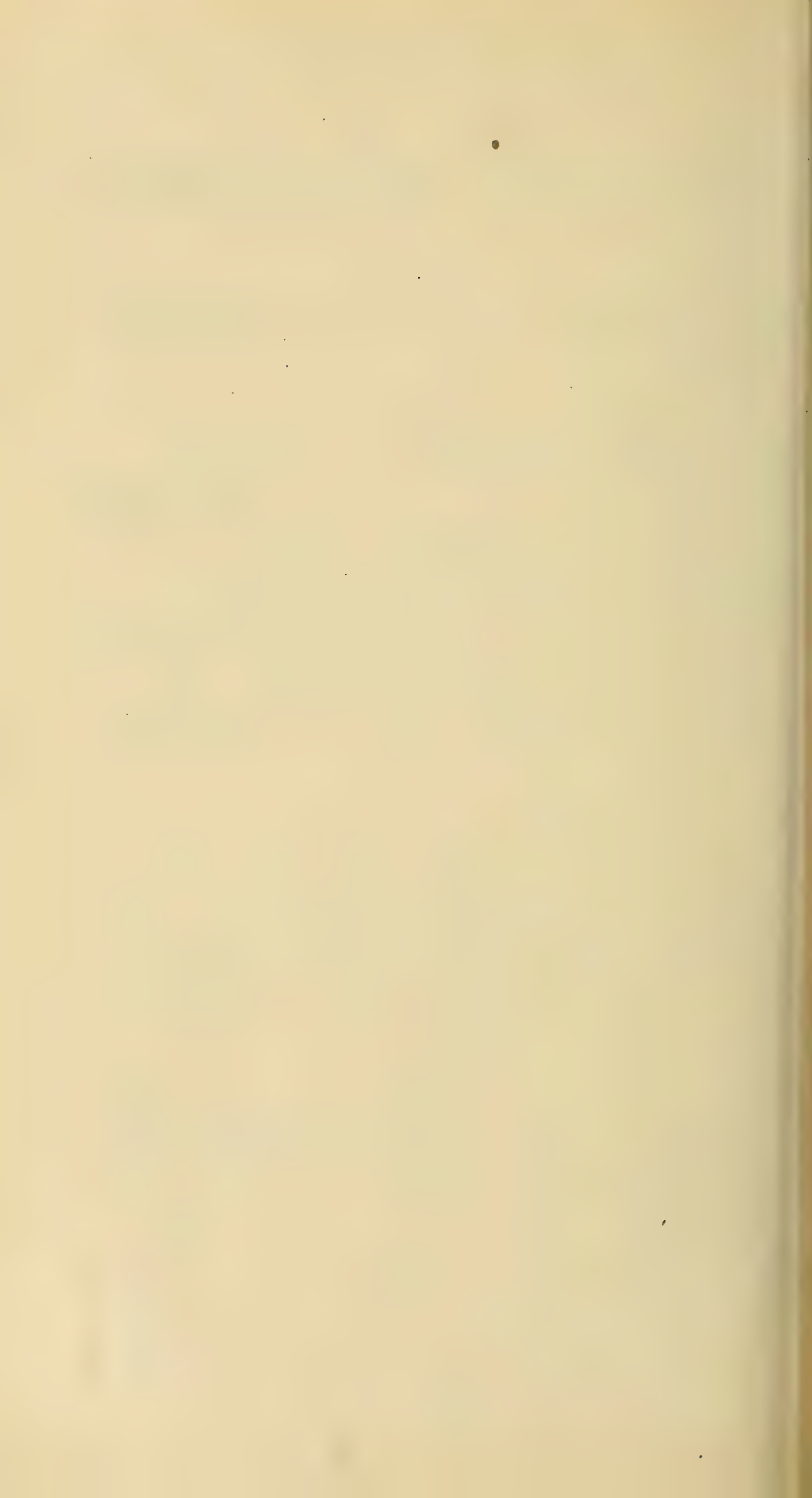
EMPLOYEES.

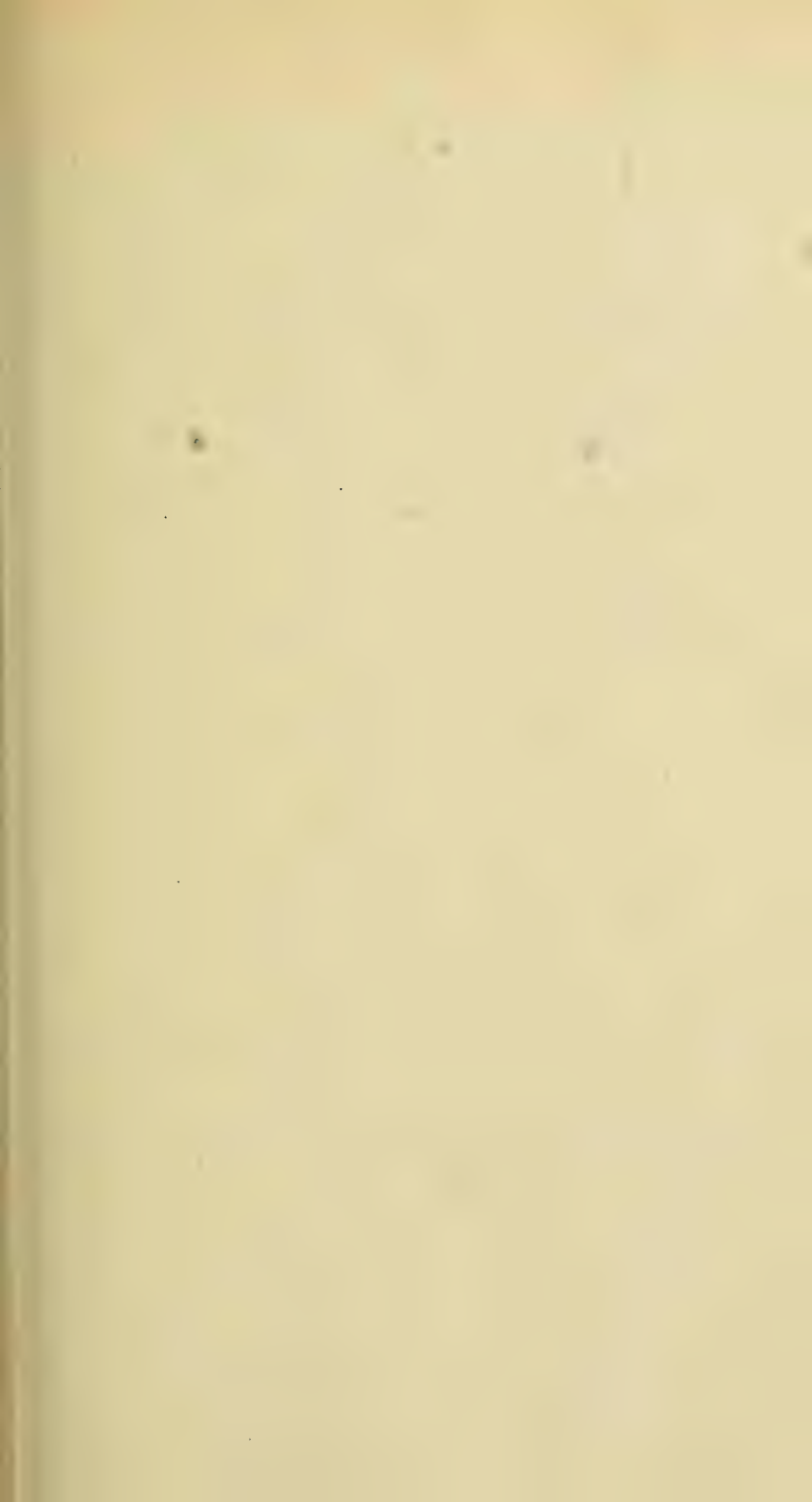
John J. McCoy.....	Operator.
William H. Shuter.	"
M. J. Dean.....	"
H. C. Martin.....	"
C. C. Prince.....	"
Thomas Cole.....	"
W. F. Gettrust (substitute).....	"
John M. Nugent.....	Chief lineman.
David Schaum.....	Lineman.
H. F. Scott.....	"
Thomas W. Glass.....	"
James W. Anderson.....	"
Robert Kain.....	Batteryman.

Respectfully submitted,

LEONA LEMON, *Superintendent.*

BALTIMORE, MD., January 2, 1897.





ANNUAL REPORT

— OF THE —

TRUSTEES OF THE POOR

OF THE CITY OF BALTIMORE,

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.

TRUSTEES OF THE POOR.

ELISHA H. PERKINS, *President.*

JOSEPH GRAPE, *Secretary.*

MISS KATE M. McLANE.

DR. MARY SHERWOOD.

JEFFREY R. BRACKETT.

HENRY STEFFENS.

ELISHA H. WALKER.

REPORT.

BALTIMORE, December 31, 1896.

To the Honorable Mayor and City Council of Baltimore :

GENTLEMEN : In making this, our first report of the trust committed to us, it is only fair to state that owing to vacancies and resignations but five trustees have been in active service during the greater part of the year. They found themselves confronted by several most serious problems, and while two members had had the benefit of some weeks' experience on the retiring Board, all felt that careful study must be given to the questions presented, before decided action of any kind could be taken.

The various reports submitted will exhibit the year's work of the several departments, and we commend them to your careful consideration.

The method of admission to the Asylum claimed our attention early in our term, and it was determined to put this department in charge of a competent permit clerk and gradually develop a different system from that in vogue ; later, a female assistant was added, both for clerical work and for the investigation of female applicants. All applicants, either for Bay View or for one of the hospitals in town, are carefully examined as to their needs and claims on the city. Our office has established cordial relations with both public and private charitable agencies, so that it can promptly secure for cases, not properly public charges on the city exchequer, the aid or care due them, from such agencies as the Fund for Transporting Poor to their homes ; the United States Marine Hospital, for such ill or disabled seamen or oyster dredgers as come under the Federal law ; the Emigration Commissioners ; the Friendly Inn ; the various societies working for the relief of the sick and needy ; The Association for Improving the Condition of the Poor ; The Charity Organization Society, and the several county authorities.

The result has been the adoption of suitable books of record and blanks, the accumulation of much valuable experience and data, a well indexed mass of facts, and a remarkable diminution of the number of inmates usually supported by the city at this time of the year.

The duties of the clerk and purveyor have been combined in one official, resident at the Asylum, who, relieved of any attendance at the city office, is enabled to give his whole attention to his appropriate department, to the manifest advantage of the institution.

A competent trained head nurse has been placed over the hospital wards of the Asylum. An efficient assistant matron with previous experience has been secured, and some consequent rearrangement of offices and duties in the house-keeping departments effected. The results of this experiment have clearly demonstrated the value to such an institution as ours of trained and experienced officials in its various departments. It is proposed to extend trained service to the Insane Department as soon as possible.

As a large proportion of those committed or admitted to the institution are required to bathe on entrance, and as their clothing, in most cases, requires thorough cleansing, our attention was soon directed to the lack of proper facilities. A very unwholesome pool was done away with and a bath-house, thoroughly modern and sanitary in all its appointments, was put in, including six rain-baths furnished with the Gegenstrom apparatus. These baths are also used in the regular bathing of male inmates, and it is hoped to extend this system so as to provide sufficient similar facilities for the entire Asylum. A steam apparatus for the proper cleansing and disinfection of the clothing of the newly-admitted is also provided.

Much thought has been given to the matter of employment of the able-bodied vagrants who seek our care, particularly in cold weather. It is to be regretted that the institution is not situated a greater distance from the city, with larger acreage, including a convenient stone quarry, so that steady employment suitable to the several classes of inmates could be continuously furnished on the property. In default of this, the present location, which embraces only about sixty acres, has been carefully surveyed topographically, and will be studied with a view to the adoption of a comprehensive plan, involving such gradual alterations a

will result in the betterment of the property, and at the same time furnish, for some time to come, employment for the able-bodied "transients," and, indeed, as many of the more permanent inmates as possible, including some of the insane. The ability of each inmate for work is certified to by the resident physicians after careful examination, and his labor is apportioned accordingly. Under this scheme some regrading and terracing has already been begun, involving pick-axe and shovel work, and enough has been planned to give employment to quite a large number of men. The physicians in charge of the Insane Department favor strongly the employment of many of their inmates in out-door work, for the experience of similar institutions has clearly demonstrated its beneficial effects upon the health and mental condition of this class of patients. We believe that the fact of employment having been provided for the able-bodied vagrants has become sufficiently noised abroad to considerably affect the number of applications for admission, and we can report that since the inauguration of this scheme some of this class have left the Asylum for a more congenial habitation. To this, and the careful attention given to applications for admission, can be ascribed the fact that we have three hundred less inmates than at this time last year.

There are one or two evils that need prompt relief in the opinion of the Board.

The Criminal Court and the police magistrates are in the habit of committing paupers, habitual beggars and vagabonds to Bay View Asylum. Last year there were 99 of such; this year 121. A number of these have escaped before the expiration of their terms. The law plainly states that the trustees shall hold these persons, and suitable arrangements are now being made to keep all such during their terms on the premises.

The Insane Department is greatly overcrowded, very largely owing to the fact that the State has hitherto provided insufficient accommodation for this unfortunate class. It is hoped considerable relief will be afforded by the new Springfield Asylum, to which some of our inmates have already been removed. But the greater part will yet remain, convincing every intelligent visitor of the propriety of proper provision being promptly made by the State for the care and treatment of *all* its insane, the city, of course,

bearing its proper share of the expense. Until the State makes such provision, the Trustees of the Poor should be put in the position to provide suitable quarters and adequate supervision.

We have also under our charge, because there is no other place for them, more than a dozen imbecile children. If they are to remain at Bay View Asylum, accommodations in a pavilion ward, separate from our present buildings, should be provided. One visit to their quarters would convince of the imperative necessity for this. A pavilion ward should also provide separate accommodations for a number of aged and infirm men, now housed in old frame buildings, situated at too great a distance from the other buildings and very unfit for the needs of this special class of inmates.

The Board is strongly impressed with the urgent need of isolating cases of tuberculosis, typhoid fever and other diseases of an infectious nature. Owing to the overcrowded condition of the buildings, the inmates coming under our care without diseases of this sort are constantly being infected therewith, so that, practically, great wrong is being unwittingly done by the city, which wrong, of course, your trustees are powerless to remedy, unless separate accommodations are provided. Indeed, an isolation ward for infectious diseases, both chronic and acute, is one of the pressing needs of Bay View, and its erection has been urged on successive Boards by both resident and visiting physicians.

We have also become convinced of the necessity for an improved sewerage system for the Asylum.

It may not be generally known that the Trustees of the Poor are also charged with the duty of constant examination and supervision of those hospitals of the city in which the city pays for the maintenance of city beds, in so far as the occupants of these beds are concerned. In this connection an onerous duty has had to be performed, involving departure from existing customs. An interpretation of the law upon the subject by the City Solicitor was sought, and a working understanding arrived at with the Comptroller which necessitated the inauguration of a simple system of bookkeeping with nine hospitals. A pleasant conference with their authorities was held, at which time the requirements of the law, under which the trustees found themselves compelled to act, was explained and co-operation invited. The hospitals, appreciating the desire of the trustees to

discharge their duty, under a common-sense interpretation of the law governing both the trustees and themselves, have, by their response to requests and suggestions, made what might easily have become very disagreeable duties comparatively easy ; but your trustees are bound to report that, in their opinion, a revision should be had of the present system, which is susceptible of much friction and abuse. It should be stated also, as a matter of fact, that police magistrates now share with this Board the authority to issue permits for city hospital patients. Should it be desired, a fuller report, and perhaps suggestions, could be made on this subject of city beds in private hospitals.

The trustees have to thank heartily all officers and employes for their faithful and painstaking attention to their duties and their evident desire, evinced in many ways, to co-operate with them in their endeavor to do what they can, during their term of office, to make the institution a credit to the City of Baltimore.

The trustees also desire to express their appreciation of the services of the medical and surgical staff, both resident and visiting. Their report will disclose the interesting character of the work done by them.

Their acknowledgements must also be made for very kind assistance from Mr. Wm. H. Rothrock, in the matter of the rain-baths, etc., and from Col. John A. Tompkins and Mr. Chas. H. Latrobe, in the matter of the survey, and improvement, by the work of the able-bodied inmates, of the Asylum grounds.

During the year Dr. Harry Friedenwald and Dr. George A. Hartmann, trustees, resigned.

Respectfully submitted.

ELISHA H. PERKINS, *President*.
JOSEPH GRAPE, *Secretary*.
KATE M. McLANE,
DR. MARY SHERWOOD,
JEFFREY R. BRACKETT,
HENRY STEFFENS,
ELISHA H. WALKER.

FINANCIAL STATEMENT.

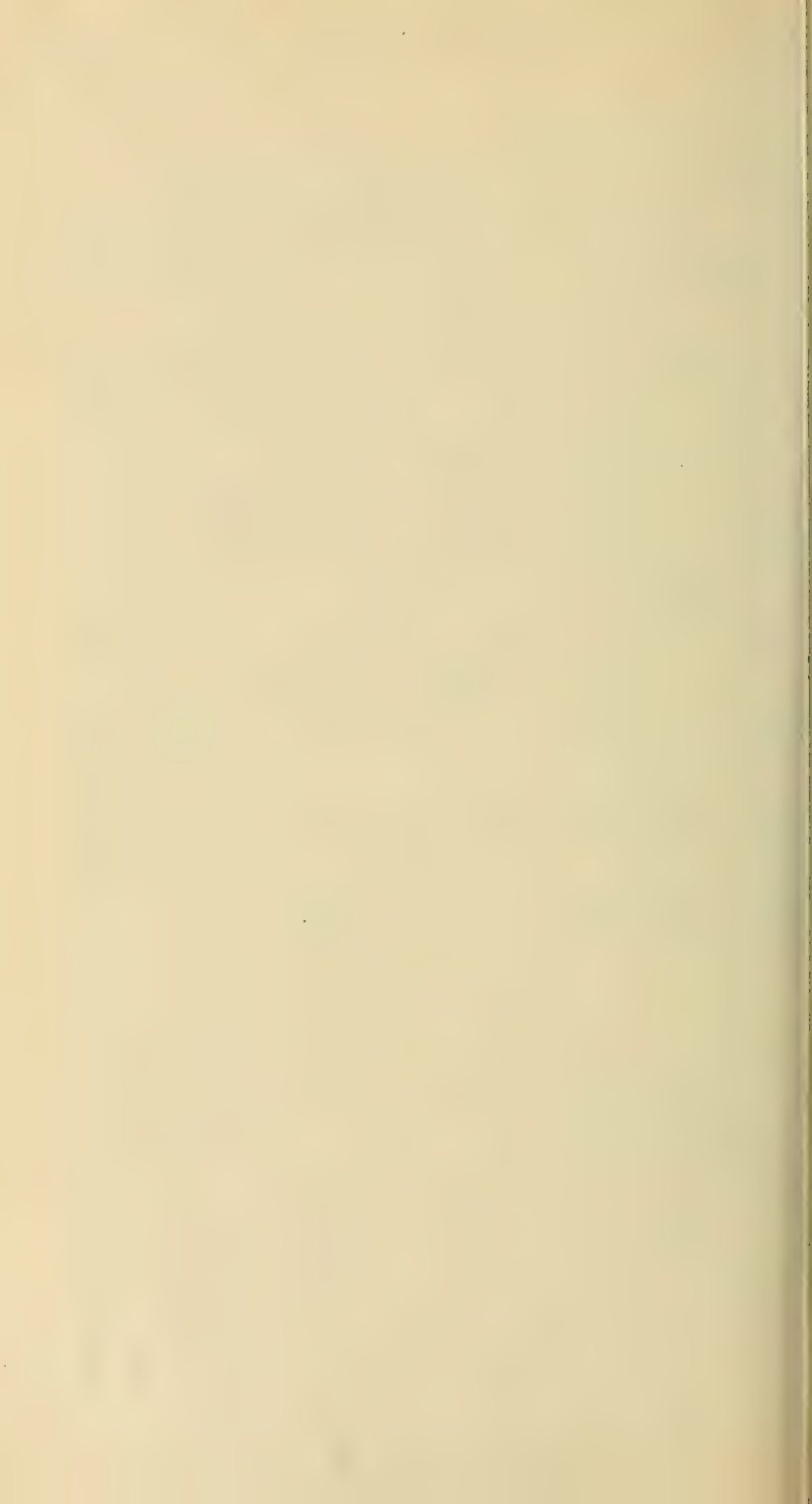
Amount of appropriation for 1896.....		\$100,000 00
Amount of appropriation drawn on warrants by Trustees of the Poor.....	\$99,984 32	
Amount of appropriation unexpended.....	15 68	
		<u>\$100,000 00</u>

CLASSIFIED EXPENDITURES.

Maintenance—		
Provisions, general supplies, light and fuel, pay roll.....		\$89,170 67
Repairs and Improvements—		
Lumber.....	\$ 715 92	
Hardware.....	237 05	
Engineer's supplies.....	1,658 57	
Painting dome.....	140 00	
Painting hospitals.....	317 77	
New steam-pump.....	186 77	
Bath-tubs and wash-sinks.....	388 56	
		<u>3,644 64</u>
Special Improvements—		
Fitting up two laboratories.....	\$ 451 78	
Portico, etc.—Annex Hospital.....	31 96	
Remodeling male and female Receiving Wards, and fitting up eleven rain-baths...	1,131 11	
Hair and spring mattresses for the insane...	125 00	
Iron spring beds in hospitals.....	195 25	
Material for new kitchen.....	1,146 73	
New fencing.....	278 66	
		<u>3,360 49</u>
Amounts paid—		
On account of former trustees, contracted and unsettled, including roof of dynamo building, drugs, etc		3,386 52
Trustees per diem.....		422 00
		<u>\$99,984 32</u>
Amount of appropriation unexpended.....		15 68
		<u>\$100,000 00</u>
Amounts received on following accounts and paid City Register in compliance with City Ordinance—		
Board of Students.	\$444 16	
Board of Inmates.....	924 00	
Sale of old material.....	143 61	
Sale of drugs.....	30 06	
		<u>\$1,541 83</u>

TABLE SHOWING DIVISION OF DISBURSEMENTS.

	Adminis- tration.	General House.	Hospital.	Insane.	Farm.
Light	\$ 450 91	\$ 3,258 60	\$ 2,264 89	\$ 2,448 54	.....
Tobacco.....		584 48	.....	358 23	.....
Clothing.....		2,203 51	1,345 34	1,454 44	.....
Maintenance, in- cluding salaries, ordinary im- provements and repairs.....	10,126 58	22,701 20	24,680 50	19,517 20	\$3,691 48
Total.....	\$10,577 49	\$28,747 79	\$28,290 73	\$23,778 41	\$3,691 48
Grand total					\$95,085 90
Less returned to City Register.....					1,541 83
Net cost per capita as to maintenance, etc., \$67.95 ⁷⁹ / ₁₀₀					\$93,544 49
Special improvements.....					4,898 42
Gross cost per capita.....				\$71.51 ⁶⁵ / ₁₀₀	\$98,442 49
Expended of appropriation				\$99,984 32	
Revenues returned to City Register.....				1,541 83	
					\$98,442 49



REPORT AND TABULAR STATEMENT

— OF THE —

SUPERINTENDENT,

MARKED "A" TO "M,"

FOR THE YEAR 1896.

ORGANIZATION.

BAY VIEW ASYLUM.

SUPERINTENDENT,	-	-	-	C. W. LEWIS.
CLERK AND PURVEYOR,	-	-	-	JOHN E. DORSEY.
MATRON,	-	-	-	MRS. S. McCAHAN.
ASSISTANT MATRON,	-	-	-	Miss N. E. WORSLEY.
ENGINEER,	-	-	-	JAMES J. FARRELL.
ASSISTANT ENGINEER,	-	-	-	WILLIAM H. STEVENS
FARMER AND GARDENER,	-	-	-	WILLIAM T. REESE.
MESSENGER,	-	-	-	THOMAS CONNORS.
BAKER,	-	-	-	CHARLES JONES.

CITY OFFICE.

CLERK,	-	-	-	LORENZO B. GOUGH.
ASSISTANT CLERK,	-	-	-	Mrs, E. DUVAL,

REPORT.

BALTIMORE, December 31, 1896.

To the Board of Trustees Bay View Asylum :

LADIES AND GENTLEMEN : I most respectfully beg leave to submit my annual report for the year ending December 31, 1896:

During the year just ended we have been very fortunate as regards our average of inmates. Had the increase in numbers that we had during January, February and March continued, we would have been overcrowded. But owing to your making an investigation of all applicants, and hence the way of admittance not being so easy as formerly, we have been able to weed out the non-residents and for the balance of the year show a less number of inmates than in 1895.

No contagious diseases of any kind have occurred in the institution during the year among the inmates, the death rate being lower than last year, as will be seen in Physicians' Report.

The number of old and infirm patients is on the increase, especially the males. At present, white male chronic wards are crowded and we have no vacant beds in them. The white male and colored female insane wards are also taxed to their utmost.

During the coming year a separate building should be provided for the imbecile children now in the nursery in main building.

I have kept employed as many inmates as possible and have tried to prevent idleness. I will be able next year to keep employed all inmates who are able to work, as enough work has been laid out, according to plan devised by you, to last for some time to come. The work so far has had a good effect. It is not only healthy exercise, but tends to keep

away unworthy applicants who have made up their minds never to work.

Many improvements have been made during the year by inmate mechanics, and at but little cost; among them part of the work upon new baths, new porch to annex hospital, painting male hospital, and fencing to replace that destroyed by storm. A great deal of carpentering, bricklaying, pipe-fitting, painting, glazing and whitewashing has been done. All work necessary to keep institution up to its present condition is performed by inmates.

The farm has yielded well and land is in good condition for coming crops. The barns, stables and outhouses are in fair condition, but need some repairs and alterations, which will be done as soon as weather permits. The outside fence is out of repair and needs to be replaced by a new and more substantial one.

I have endeavored to rule with kindness rather than harshness, and to make inmates comfortable and the place as homelike as possible, at the same time enforcing discipline. It has been my constant aim to see that injustice is done to no one.

I am indebted to the Rev. Dr. Leakin, Rev. Wm. Wiggins, Father Wertinger, the Local Preachers' Association M. E. Church, German Lutheran Association, St. Vincent de Paul Society, and the various missionary societies for religious work among the inmates.

The physicians and officers (male and female) have been faithful in the discharge of their respective duties, and whenever I have called upon them, they have responded promptly and willingly.

I submit herewith Tables A to M, giving statistical results for the year.

In conclusion, permit me to thank you for your confidence which, I trust, I shall continue to merit.

Respectfully submitted.

COLUMBUS W. LEWIS, *Superintendent*,

TABLE A.

Showing the Number of Persons Admitted, Born, Died, Discharged, Escaped, etc.; also the Number Remaining at the Expiration of Each Month for the Year Ending December 31, 1896, inclusive.

1896.	Admitted.	Born.	Died.	Discharged.	Escaped from Bay View.	Granted Pass and did not Return.	Remaining December 31, 1896.	Remaining December 31, 1895.
January	1,061	1	19	944	12	20	1,704	1,642
February	1,425	.....	17	1,156	6	22	1,928	1,755
March	1,202	1	23	1,561	11	28	1,508	1,562
April	228	1	27	375	9	29	1,297	1,293
May	134	.....	16	253	5	22	1,135	1,139
June	181	.....	21	113	7	18	1,157	1,172
July	209	.....	23	116	3	11	1,213	1,220
August	182	.....	23	133	8	23	1,208	1,254
September	193	1	24	99	13	16	1,250	1,347
October	152	.....	17	105	9	14	1,257	1,366
November	155	.....	13	80	11	6	1,302	1,527
December	196	2	18	93	8	14	1,367	1,637
Total	5,318	6	241	5,028	102	223	.....	.....

	1896.	1895.
In the Asylum December 31, 1895.....	1,637	
Total ingress 1896 (including readmissions)..	5,324	
	6,961	7,118
Total egress, 1896.....	5,594	5,481
	1,367	1,637
In the Asylum December 31, 1896.....		

SUPPLEMENT TO TABLE A.

Showing the Number of Single Admissions, Readmissions, etc., from January 1, 1896, to December 31, 1896, inclusive.

Single admissions.....	3,960
Readmissions.....	1,364

Total..... 5,324

926 admitted to Asylum ..	2 times.
504 " "	3 "
379 " "	4 "
215 " "	5 "
72 " "	6 "
49 " "	7 "
1 " "	8 "

TABLE B.

Showing the Birthplace of Persons Admitted to Almshouse from January 1, 1896, to December 31, 1896, inclusive.

NATIVES.		FOREIGNERS.	
Baltimore.....	1,044	Ireland.....	1,344
New York.....	388	Germany.....	506
Maryland.....	360	England.....	216
Pennsylvania.....	307	Scotland.....	122
Virginia.....	204	Sweden.....	35
Massachusetts.....	117	Poland.....	26
New Jersey.....	78	Denmark.....	22
District of Columbia.....	63	France.....	20
Ohio.....	45	Austria.....	17
Illinois.....	39	Canada.....	16
Connecticut.....	38	Switzerland.....	13
North Carolina.....	28	Norway.....	10
Delaware.....	22	Russia.....	9
Missouri.....	17	West Indies.....	9
Kentucky.....	14	Wales.....	6
Georgia.....	14	New South Wales.....	4
Louisiana.....	13	Australia.....	4
South Carolina.....	13	South America.....	3
California.....	12	Italy.....	3
Rhode Island.....	12	Finland.....	3
Florida.....	10	Nova Scotia.....	3
Michigan.....	9	China.....	2
Tennessee.....	8	Belgium.....	2
Vermont.....	8	Turkey.....	2
Maine.....	8	East Indies.....	1
Iowa.....	8	Africa.....	1
Wisconsin.....	5	British Columbia.....	1
Minnesota.....	3	Holland.....	1
Alabama.....	3		
West Virginia.....	2		
New Hampshire.....	2		
Arkansas.....	2		
Dakota.....	1		
Colorado.....	1		
Texas.....	1		
Indiana.....	1		
Almshouse.....	6		
Unknown.....	17		
	2,923		2,401
		Natives.....	2,923
		Total.....	5,324

TABLE C.

Showing the Ages of Persons Admitted to the Almshouse from January 1, 1896, to December 31, 1896, inclusive.

Under 1 year.....	5	From 70 to 80 years.....	98
From 1 to 10 years.....	6	“ 80 “ 90 “	20
“ 10 “ 20 “	112	“ 90 “ 100 “	2
“ 20 “ 30 “	1,176	“ 100 “ 105 “	2
“ 30 “ 40 “	1,563	Unknown.....	17
“ 40 “ 50 “	1,198	Born in Almshouse.....	6
“ 50 “ 60 “	703		
“ 60 “ 70 “	416	Total	5,324

TABLE D.

Showing the Period of Residence in the City of all Persons Admitted to Almshouse from January 1, 1896, to December 31, 1896, inclusive.

	1896.	1895.
Born in Baltimore.....	1,044	1,054
Less than one week.....	78	67
One week and less than one month.....	51	73
One month and less than three	75	85
Three months and less than six.....	107	126
Six months and less than twelve.....	148	121
One year and less than two.....	129	161
Over two years	3,669	3,741
Unknown	17	41
Born in Almshouse.....	6	8
	5,324	5,477

TABLE E.

Showing the Habits of Persons Admitted to the Almshouse from January 1, 1896, to December 31, 1896, inclusive.

	1896.	1895.
Intemperate adults.....	4,616	4,838
Temperate “	685	618
Children of temperate parents.....	11	14
Children of intemperate parents	5	2
Unknown.....	7	5
	5,324	5,477

TABLE F.

Showing Daily and Monthly Averages of Persons Admitted to Alms-house from January 1, 1896, to December 31, 1896; also a Comparison of Averages with 1895.

1896.	WHITE.			COLORED.			Total Daily Averages.	WHERE FROM.		Totals.	1895.
	Men.	Women.	Children.	Men.	Women.	Children.		Natives of City and One Year's Residence.	Elsewhere.		
January	1,082	367	14	132	111	3	1,709	1,244	465	1,709	1,603
February	1,145	364	14	142	111	3	1,779	1,230	549	1,779	1,760
March	1,182	367	14	140	111	3	1,817	1,271	546	1,817	1,641
April	785	363	12	105	113	3	1,381	1,056	325	1,381	1,373
May	633	357	11	91	115	3	1,210	992	218	1,210	1,224
June	573	356	11	87	116	3	1,146	940	206	1,146	1,136
July	610	362	11	90	115	2	1,190	960	230	1,190	1,217
August	616	370	12	94	111	2	1,205	1,001	204	1,205	1,239
September	635	370	14	102	104	2	1,227	1,020	207	1,227	1,268
October	654	370	12	99	106	4	1,245	1,040	205	1,245	1,337
November	676	375	13	98	109	3	1,274	1,080	194	1,274	1,444
December	722	378	13	106	113	3	1,335	1,130	205	1,335	1,584
Total	9,313	4,399	151	1,286	1,335	34	16,518	12,964	3,554	16,518	16,826
Monthly average, 1896...	776 ¹ ₁₂	366 ⁷ ₁₂	12 ⁷ ₁₂	107 ² ₁₂	111 ³ ₁₂	21 ⁰ ₁₂	1,376 ⁶ ₁₂	1,080 ⁴ ₁₂	296 ² ₁₂	1,376 ⁶ ₁₂	
Monthly average, 1895...	812 ⁰ ₁₂	352 ³ ₁₂	14 ¹ ₁₂	108 ⁰ ₁₂	110 ⁶ ₁₂	3 ⁶ ₁₂	1,402 ² ₁₂	1,015 ⁷ ₁₂	386 ⁷ ₁₂		1,402 ² ₁₂

TABLE G.

Showing the Number of Persons Committed to the Almshouse by Magistrates, and their Age, Sex, Color and Period of Commitment, from January 1, 1896, to December 31, 1896, inclusive.

	SEX AND AGE.		Total.	COLOR.		PERIOD OF COMMITMENT.			Total.
	Males over 21.	Females over 18.		White.	Colored.	Under 3 months.	3 to 6 months.	6 months and over.	
1896.									
January.....	12	6	18	11	7	6	11	1	17
February.....	3	1	4	4	.....	1	1	2	4
March.....	4	5	9	9	.....	3	5	1	9
April.....	7	3	10	10	.....	5	4	1	10
May.....	5	2	7	6	1	4	3	.....	7
June.....	4	4	8	7	1	4	1	3	8
July.....	5	3	8	4	4	5	2	1	8
August.....	5	3	8	8	.....	2	4	2	8
September.....	7	2	9	8	1	5	3	1	9
October.....	13	1	14	9	5	3	5	6	14
November.....	6	1	7	6	1	5	2	.....	7
December.....	17	2	19	16	3	8	8	3	19
Totals.....	88	33	121	98	23	51	49	21	121
Totals, 1895.....	79	20	99	85	14	40	34	25	99

TABLE I.

Showing the Number of Births and Deaths in each Month, also the Sex and Color, from January 1, 1896, to December 31, 1896, inclusive.

1896.	BIRTHS.					DEATHS, ADULTS.				DEATHS, CHILDREN		
	White Males.	White Females.	Colored Males.	Col'd Females.	Total.	White Males.	White Females.	Colored Males.	Col'd Females.	White Males.	Col'd Female.	Total.
January		1			1	7	3	5	4			19
February		1			1	6	7	4				17
March.....						10	2	7	4			23
April.....				1	1	10	4	5	7		1	27
May.....						6	3	6	1			16
June.....						9	3	6	3			21
July						13	2	2	5	1		23
August.....						10	6	3	4			23
September.....	1				1	11	4	5	4			24
October.....						10	3	3	1			17
November.....						7	2	3	1			13
December.....			2		2	7	4	2	4	1		18
Total, 1896....	1	2	2	1	6	106	43	51	38	2	1	241
Total, 1895....	2	4	2		8	124	43	67	35	1		270

TABLE J.

Showing Total Amount of Coal Consumed, and by what Departments of the Institution ; also Number of Tons and Lbs. of Each Kind.

<i>George's Creek.</i>		
Departments.	Tons.	Lbs.
Tubular boilers.....	2,303	320
Blacksmith shop.....	3	1,930
	<hr/> 2,306	<hr/> 2,250
<i>Sunbury.</i>		
	Tons.	Lbs.
Centre house kitchens.....	61	1,980
Matron's kitchen	23	2,080
Bake-house	38	955
Annex hospitals.....	29	1,680
Insane hospitals.....	29	1,070
Ironing room.....	16	1,720
Main gate.....	4	1,640
East gate	2	820
West gates.....	4	580
Carpenter shops	6	1,360
	<hr/> 212	<hr/> 13,885
George's Creek on hand December 31, 1896.....	75 tons	
Sunbury on hand December 31, 1896.....	141 tons, 1,950 lbs	

TABLE K.

Showing Products of Farm and Sales therefrom; Showing also List of Vegetables, etc., Purchased for 1896.

Purchased.	CREDIT.	
	Raised.	
	5,917 bchs. parsley at 8 cts. per doz.....	\$ 44 38
	2,171 " thyme " 1 " " bch.....	21 71
80 bchs.	10 " beets " 5 " " "	50
	1,234 " leeks " 8 " " doz.....	9 30
	695 " sage " 2 " " bch.....	13 90
	3,345 " celery " 5 " " "	167 25
	5,496 " spring onions at 1c. per bch.....	54 96
	2,660 " radishes " 1c. " "	26 60
50 doz.....	1,427 doz. corn at 8 cts. per doz.....	114 16
20 "	77 " cucumbers at 8 cts. per doz.....	6 16
	4,362 pickles at 15 cts. per hundred	6 55
	40½ doz. red peppers at 8 cts.....	3 24
17 bush.....	59 bush. Lima beans " 60 "	40 40
5 "	395 " string beans " 25 "	98 75
7 "	1,091 " tomatoes " 30 "	327 30
	74 " onions " 80 "	59 20
	77 " onion sets " \$2.50	192 56
	88 " beets " 50 cts.....	44 00
	1,018 " turnips " 20 "	203 60
4,974 bush..	677 " potatoes " 40 "	270 80
	812 " carrots " 50 "	406 00
	8 " spinach " 30 "	2 40
	396 " parsnips " 40 "	158 40
	282 " sprouts " 25 "	70 50
10 " ..	138 " peas " \$1	138 00
	1,075 egg plants at 1½c.....	16 12
900 heads...	2,166 heads of lettuce at 3 cts.....	64 98
	122 stalks horse-radish at 5 cts.....	6 10
	1 peck Cayenne peppers	1 60
	1½ bushels red peppers at \$6.40.....	9 60
90 " ...	14,386 heads cabbage at 2 cts.....	287 72
7,655 gals...	25,180 gals. milk at 15 cts.....	3,777 00
	985½ doz. eggs at 15 cts.....	147 82
	7 tons of hay at \$12.....	84 00
		<hr/>
		\$6,875 56
DEBIT.		
Feed for stock.....		\$2,098 32
Shoeing, smithing and harness account.....		333 33
Seeds, implements, improvement of stock and general repairs..		335 77
Salaries.....		924 16
		<hr/>
		\$3,691 48
To balance.....		3,184 08
		<hr/>
		\$6,875 56

TABLE L.

Showing Number of Barrels of Flour Received by Institution; also Number of Loaves of Bread on hand December 31, 1895; also Number of Loaves Consumed During 1896; Aggregate Weight of same; also Average Weight of each Loaf. Showing also Number of Loaves on hand December 31, 1896, inclusive.

Flour received.....	2,211 barrels.
Loaves of bread on hand December 31, 1896.....	2,025
Loaves baked.....	508,756
Total.....	510,781
Loaves consumed.....	508,702
	2,079
Weight of bread baked	635,945 lbs.
Average weight of each loaf.....	1 lb. 3 ozs.

TABLE M.

Showing Stock of Drugs, Scales and Drug Appliances on hand, as per Inventory of December 31, 1896; also Amount of Merchandise Purchased during 1896; also Amount of Drugs, etc., remaining on December 31, 1896, as per Inventory; also Cash Sales to outside parties, as per Vouchers.

Stock of Drugs, Scales and Drug Appliances on hand, as per Inventory, December 31, 1895.....	\$1,748 41
Amount of Merchandise Purchased during 1896.....	2,395 67
Total amount for 1896	\$4,144 08
Stock of Drugs, Scales and Drug Appliances on hand, as per Inventory, December 31, 1896.....	\$1,790 98
Cash Sales to Outside Parties, as per Vouchers.....	30 06
By Balance	2,323 04
	\$4,144 08

Number of Prescriptions Compounded, 15,787.

REPORT

— OF THE —

Medical and Surgical Department.

MEDICAL AND SURGICAL DEPARTMENT.

RESIDENT PHYSICIANS:

A. S. HOTALING, M.D.

LEE COHEN, M.D.

ASSISTANT RESIDENT PHYSICIANS:

V. H. VAN DEVENTER, M.D.

JAMES BORDLEY, JR., M.D.

CLINICAL ASSISTANT PHYSICIANS:

L. P. FERNANDEZ, M.D.

J. B. GERE, M.D.

HEAD NURSE:

Miss ELEANORA MAYES, GRADUATE NURSE.

APOTHECARY:

A. W. McGLANNAN, Ph.G.

VISITING STAFF.

PHYSICIANS:

THOMAS S. LATIMER, M.D.

JOSEPH T. SMITH, M.D.

C. HAMPSON JONES, M.D.

WILLIAM B. CANFIELD, M.D.

JULIUS FRIEDENWALD, M.D.

T. W. CLARK, M.D.

GEORGE THOMAS, M.D.

JOSEPH E. GICHNER, M.D.

H. H. HAYDEN, M.D.

C. F. BLAKE, M.D.

SURGEONS:

CHARLES F. BEVAN, M.D.

J. HOLMES SMITH, M.D.

J. W. CHAMBERS, M.D.

JOHN G. JAY, M.D.

HARRY FRIEDENWALD, M.D.

I. R. TRIMBLE, M.D.

WILLIAM F. SMITH, M.D.

FRANK MARTIN, M.D.

W. S. GARDNER, M.D.

S. McCLEARY, M.D.

NEUROLOGISTS:

GEORGE J. PRESTON, M.D.

H. J. BERKELEY, M.D.

GYNECOLOGIST:

THOMAS OPIE, M.D.

OBSTETRICIAN:

L. E. NEALE, M.D.

PATHOLOGISTS:

N. G. KIERLE, M.D.

CASPER O. MILLER, M.D.

REPORT OF RESIDENT PHYSICIANS.

BAY VIEW ASYLUM, December 31, 1896.

To the Board of Trustees:

LADIES AND GENTLEMEN: We have the honor to submit the following, the annual report of the Medical and Surgical Department of this institution for the year ending December 31, 1896:

By the accompanying classified statement it will be seen that there were treated in the various medical and surgical wards from January 1, 1896, to December 31, 1896, 3,495 cases. This statement does not include many hundred cases treated in the Dispensary, chronic wards and sleeping-rooms. The number of cases treated was 613 in excess of last year, while the mortality was 29 less. We believe that the hospital compares most favorably with other similar institutions.

Through an appropriation of your Board we now have a bacteriological and Pathological Laboratory. We feel confident that it will prove of great benefit to the hospital, through the more scientific treatment it will enable us to render.

The efficiency of the nursing corps has been greatly increased through the installation at its head of a graduate nurse.

We would respectfully suggest to the Board of Trustees the necessity of a separate building for the isolation of tubercular diseases. By referring to the following classified statement (page 31) you will see the large number of tubercular cases treated and the corresponding large mortality. Under our own observation many patients have contracted tuberculosis in the institution which, with proper isolation, could have been prevented.

Also, we would recommend the necessity, from both a moral and hygienic standpoint, of a separate building or wing for cases of imbecility.

To the visiting staff of medical officers we are under many obligations. We are, very respectfully,

A. S. HOTALING,
LEE COHEN.

MEDICAL AND SURGICAL STATISTICS.

MEDICAL DISEASES.

Classified according to the nomenclature as published by the Royal College of Physicians, of London, and American Medical Association.

DISEASES.	Treated.	DISCHARGED.				Remaining Decem- ber 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
<i>General Diseases.</i>						
A.						
Anaemia, idiopathic.....	24	16	2	.....	.....	.....
“ pernicious.....	2	.....	.....	.....	2	.....
“ simple.....	7	7	.....	.....	.....	.....
“ symptomatic.....	9	7	.....	.....	.....	.....
Erysipelas, facial.....	8	8	.....	.....	.....	.....
“ leg.....	1	1	.....	.....	.....	.....
“ arm.....	1	1	.....	.....	.....	.....
“ cellulo-cutaneous.....	3	3	.....	.....	.....	.....
Fever, intermittent.....	100	80	12	.....	.....	.....
“ remittent.....	19	15	4	.....	.....	.....
“ relapsing.....	2	2	.....	.....	.....	.....
“ typhoid.....	3	2	.....	.....	.....	.....
Diphtheria.....	1	.....	.....	.....	1	.....
Parotiditis.....	1	1	.....	.....	.....	.....
Pertussis.....	1	1	.....	.....	.....	.....
B.						
Malarial cachexia.....	30	24	4	.....	.....	.....
Alcoholism.....	76	50	20	.....	.....	.....
Colica, pictonum.....	1	1	.....	.....	.....	.....
Delirium tremens.....	10	6	.....	.....	4	.....
Insulation.....	3	3	.....	.....	.....	.....
Malingering.....	22	.....	.....	22	.....	.....
Opium habit.....	3	.....	.....	3	.....	.....
“ poison.....	1	1	.....	.....	.....	.....
Rheumatism, acute-articular.....	14	12	2	.....	.....	.....
“ chronic.....	81	.....	65	5	.....	.....
“ intercostal.....	1	1	.....	.....	.....	.....
“ gonorrheal.....	2	.....	2	.....	.....	.....
“ sub-acute.....	4	2	2	.....	.....	.....
Senility.....	40	.....	.....	.....	28	.....

MEDICAL DISEASES—Continued.

DISEASES.	Treated.	DISCHARGED.				Remaining December 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
<i>Diseases of the Circulatory System.</i>						
Aneurism, aortic	2	.....	.....	.....	1	1
“ carotid	1	.....	.....	.....	1	.....
Apoplexy	10	.....	.....	.....	10	.....
Arterio, sclerosis	12	.....	.....	6	.....	6
Endocarditis, acute	3	.....	3	.....	.....	.....
Heart, aortic stenosis	40	.....	20	7	5	8
“ “ regurgitation	20	.....	10	2	4	4
“ mitral stenosis	7	.....	5	.....	.....	2
“ “ regurgitation	64	.....	34	5	8	17
Pericarditis, acute	1	.....	1	.....	.....	.....
“ chronic adhesive	2	.....	.....	.....	2	.....
<i>Diseases of the Respiratory System.</i>						
Asthma	13	.....	9	.....	1	3
Bronchitis, acute	42	40	.....	.....	.....	2
“ sub-acute	12	2	10	.....	.....	.....
“ capillary	1	1	.....	.....	.....	.....
“ chronic	40	.....	23	8	.....	9
Coryza, acute	42	38	.....	.....	.....	4
Emphysema	26	.....	7	2	3	14
Empyema	2	.....	.....	.....	2	.....
Fangrene of lung	11	.....	.....	.....	1	.....
Hemorrhage of lung	11	.....	9	.....	2	.....
Hydro-pneumothorax	1	.....	.....	.....	.....	1
Influenza	2	2	.....	.....	.....	.....
Laryngitis, sub-acute	8	2	6	.....	.....	.....
“ chronic	14	.....	14	.....	.....	.....
“ syphilitic	11	6	4	.....	.....	1
“ tubercular	8	.....	3	2	.....	3
Nasal polypi	7	6	1	.....	.....	.....
Edema of larynx	1	.....	.....	.....	1	.....
“ “ lung	1	.....	.....	.....	1	.....
Pleurisy, acute	7	5	1	.....	.....	1
“ chronic	12	.....	6	2	.....	4
Pneumonia, catarrhal	5	2	.....	.....	3	.....
“ lobar	25	22	.....	.....	3	.....
“ septic	1	.....	.....	.....	1	.....
Phtthisis pulmonalis	147	.....	52	11	55	29

MEDICAL DISEASES—Continued.

DISEASES.	Treated.	DISCHARGED.				Remaining Decem- ber 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
Phthisis florida.....	2	.....	.....	.....	1	1
Rhinitis, atrophic.....	5	.....	1	4	.....	.....
“ hypertrophic.....	12	4	5	.....	.....	3
“ syphilitic.....	2	2	.....	.....	.....	.....
<i>Diseases of the Digestive System.</i>						
Atonic dyspepsia.....	1	1	.....	.....	.....	.....
Calculi, hepatic.....	4	.....	3	1	.....	.....
Cholera infantum.....	1	1	.....	.....	.....	.....
“ morbus.....	8	8	.....	.....	.....	.....
Cirrhosis of liver.....	8	.....	.....	4	3	1
Chronic constipation.....	76	.....	50	.....	.....	26
Diarrhoea, acute.....	24	23	.....	.....	.....	1
“ chronic.....	11	.....	3	1	5	.....
“ tubercular.....	45	.....	30	10	.....	.....
Dysentery, acute.....	16	14	2	.....	.....	.....
Enteralgia.....	3	3	.....	.....	.....	.....
Entero-colitis.....	2	2	.....	.....	.....	.....
Fecal impaction.....	1	1	.....	.....	.....	.....
Gastrectasis.....	3	.....	2	1	.....	.....
Gastritis, acute.....	7	6	1	.....	.....	.....
“ sub-acute.....	11	9	2	.....	.....	.....
“ chronic.....	5	.....	3	.....	1	1
Gastro-enteritis.....	6	6	.....	.....	.....	.....
Jaundice, catarrhal.....	3	3	.....	.....	.....	.....
“ hoematogenous.....	1	.....	.....	1	.....	.....
Peritonitis, pelvic.....	1	1	.....	.....	.....	.....
“ septic.....	1	.....	.....	.....	1	.....
“ tubercular.....	5	.....	.....	.....	5	.....
Stomatitis, aphthae.....	6	6	.....	.....	.....	.....
“ ulcerative.....	1	1	.....	.....	.....	.....
Taenia, solium.....	2	2	.....	.....	.....	.....
Ulcer of stomach.....	1	.....	.....	.....	1	.....
<i>Diseases of the Fauces and Palate.</i>						
Catarrh, post-nasal.....	6	.....	3	1	.....	.....
Pharyngitis, acute.....	28	25	.....	.....	.....	.....
“ chronic.....	11	.....	11	.....	.....	.....
Tonsillitis, simple.....	12	12	.....	.....	.....	.....

MEDICAL DISEASES—Continued.

DISEASES.	Treated.	DISCHARGED.				Remaining December 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
Tonsillitis follicular.....	7	7	.....	.....	.....	.....
“ phlegmonous	1	1	.....	.....	.....	.....
<i>Diseases of the Cutaneous System.</i>						
Alopecia areata.....	3	.....	3	.....	.....	.....
Dermatitis, medicamentosa.....	5	5	.....	.....	.....	.....
“ rhus.....	4	4	.....	.....	.....	.....
Eczema, acute.....	8	8	.....	.....	.....	.....
“ chronic.....	26	.....	26	.....	.....	.....
Herpes zoster.....	1	1	.....	.....	.....	.....
Lupus.....	1	.....	1	.....	.....	.....
Pediculosis, capitis.....	30	30	.....	.....	.....	.....
“ corporis.....	22	22	.....	.....	.....	.....
“ pubis.....	19	19	.....	.....	.....	.....
Psoriasis, specific.....	3	3	.....	.....	.....	.....
“ vulgaris.....	5	.....	3	.....	.....	2
Scabies.....	33	32	.....	.....	.....	1
Tinea sycosis.....	1	1	.....	.....	.....	.....
“ tonsurans.....	2	2	.....	.....	.....	.....
Urticaria.....	7	7	.....	.....	.....	.....
<i>Diseases of the Urinary System.</i>						
Cystitis, acute.....	6	6	.....	.....	.....	.....
“ chronic.....	20	.....	18	.....	1	1
Calculi, renal.....	2	2	.....	.....	.....	.....
Diabetes, insipidus.....	1	.....	.....	.....	.....	1
“ mellitus.....	3	.....	1	.....	1	1
Nephritis, acute.....	4	1	.....	.....	3	.....
“ chronic interstitial.....	35	.....	5	3	19	8
“ parenchymatous.....	42	.....	10	5	17	10
Pyelitis.....	3	.....	1	.....	.....	2
Raemic coma.....	1	.....	.....	.....	1	.....
“ toxemia.....	1	1	.....	.....	.....	.....
<i>Diseases of the Ear.</i>						
Drummen, impacted.....	21	21	.....	.....	.....	.....
Otitis, externa.....	4	4	.....	.....	.....	.....
“ media catarrhal.....	1	1	.....	.....	.....	.....

MEDICAL DISEASES—Continued.

DISEASES.	Treated.	DISCHARGED.				Remaining Decem- ber 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
Otitis, media purulent.....	4	.....	3	1	.....	.....
<i>Diseases of the Eye.</i>						
Blepharitis marginalis.....	5	5	.....	.....	.....	.....
Cataract.....	11	4	.....	1	.....	6
Corneal ulcer.....	5	4	.....	.....	.....	1
Conjunctivitis, simple.....	13	13	.....	.....	.....	.....
Dacryocystitis.....	4	4	.....	.....	.....	.....
Dislocated lens.....	2	.....	.....	2	.....	.....
Ectropion.....	2	1	.....	.....	.....	1
Entropion.....	2	.....	.....	1	.....	1
Glaucoma.....	1	.....	.....	1	.....	.....
Iritis.....	8	6	2	.....	.....	.....
Keratitis.....	4	4	.....	.....	.....	.....
Optic neuritis.....	1	.....	.....	1	.....	.....
Pannus.....	4	.....	.....	1	.....	3
Pterygium.....	3	2	.....	.....	.....	1
Retinitis pigmentosa.....	1	.....	.....	.....	.....	1
Staphyloma.....	1	.....	.....	.....	.....	1
Trachoma.....	9	4	2	1	.....	2
Trichiasis.....	7	5	.....	.....	.....	2
<i>Diseases of the Nervous System.</i>						
Athetosis.....	1	.....	.....	.....	.....	1
Aphasia.....	4	.....	2	.....	.....	2
Cerebral, concussion.....	1	.....	.....	.....	1	.....
“ embolism.....	5	1	.....	.....	4	.....
Cephalgia.....	64	64	.....	.....	.....	.....
Chorea.....	3	.....	.....	1	1	1
Catalepsy.....	1	.....	.....	.....	.....	1
Dementia, senile.....	5	.....	.....	.....	.....	5
Epilepsy.....	36	.....	12	.....	.....	24
“ Jacksonian.....	1	.....	.....	1	.....	.....
Epilepticus, status.....	2	.....	2	.....	.....	.....
Gastralgia.....	3	1	2	.....	.....	.....
General motor and sensory anæsthesia.	1	.....	.....	.....	.....	.....
Hemiparesis.....	1	.....	.....	1	.....	.....
Hemiplegia.....	42	.....	4	8	4	5
Hypochondriasis.....	2	.....	2	.....	.....	.....

MEDICAL DISEASES—Continued.

DISEASES.	Treated.	DISCHARGED.				Remaining December 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
Hydrocephalus	1	.....	.....	.....	.....	1
Hysterical para-plegia	1	1	.....	.....	.....	.....
Hysteria	2	.....	2	.....	.....	.....
Imbecility	16	.....	.....	.....	.....	16
Insomnia	3	2	1	.....	.....	.....
Lumbago	74	74	.....	.....	.....	.....
Melancholia	7	.....	.....	3	.....	4
Menieres disease	1	.....	.....	1	.....	.....
Migraine	13	.....	12	.....	.....	1
Monoplegia	2	.....	1	.....	.....	1
Myelitis, transverse	22	.....	3	.....	6	13
Neuralgia, facial	19	14	5	.....	.....	.....
“ intercostal	2	2	.....	.....	.....	.....
Neurasthenia	5	.....	2	.....	.....	3
Neuritis, simple	3	2	.....	.....	.....	1
“ multiple	4	.....	4	.....	.....	.....
“ traumatic	4	3	.....	.....	.....	1
Paralysis, agitans	1	.....	.....	.....	1	.....
“ Bell's	1	1	.....	.....	.....	.....
“ bulbar	1	.....	.....	.....	1	.....
“ crutch	3	2	.....	.....	.....	1
“ pressure	3	2	1	.....	.....	.....
Progressive muscular atrophy spinal ..	3	.....	.....	.....	.....	3
Pott's disease	2	.....	1	.....	1	.....
Sciatica	4	4	.....	.....	.....	.....
Sclerosis, lateral	1	.....	.....	.....	.....	1
“ multiple	2	.....	.....	2	.....	.....
“ postero-spinal	10	.....	1	4	1	4
Vertigo, stomachic	1	1	.....	.....	.....	.....
<i>Diseases of Women.</i>						
Amenorrhea	16	2	12	2	.....	.....
Cystocele	1	.....	.....	1	.....	.....
Cervix, laceration of	11	1	7	.....	.....	3
Dysmenorrhea	18	6	8	.....	.....	4
Endocervicitis	10	.....	7	.....	.....	3
Endometritis	11	.....	8	.....	.....	3
Hypertrophy of labia	4	.....	.....	4	.....	.....
Hysterectomy	1	.....	.....	.....	.....	1
Hysterorraphy	1	1	.....	.....	.....	.....

MEDICAL DISEASES—Concluded.

DISEASES.	Treated.	DISCHARGED.				Remaining Decem-ber 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
Metritis	1	1				
Menorrhagia.	10	2	6			2
Metrorrhagia.	2			2		
Mastitis	2	2				
Oöphorectomy	1				1	
Papilloma vulvae.	1	1				
Perineorrhaphy.	1	1				
Pruritus vulvae.	5	3		2		
Rectocele	1			1		
Recto vaginal-fistula.	1			1		
Salpingitis	1	1				
Septicaemia	1				1	
Urethra, caruncle.	2	2				
“ lacerated.	2			1		1
Uterus, anteversion.	20			14		6
“ anteversion.	1					1
“ fibroid of.	5	1		3		1
“ polypus of.	1	1				
“ procidentia of.	6	1		3		2
“ retroflexion “	10	1		6		3
“ retroversion of.	1	1				
Vagina, prolapse of. .	1			1		
Vaginitis, simple.	13	13				
“ specific	4	4				
Total medical diseases	2371	949	627	177	220	398

SURGICAL DISEASES.

DISEASES.	Treated,	DISCHARGED.				Remaining Decem- ber 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
Appendicitis.....	1	1	.....	.....	.....	.....
Burns of arm.....	4	3	.....	.....	.....	1
“ “ face.....	3	3	.....	.....	.....	.....
“ “ hand.....	1	1	.....	.....	.....	.....
“ “ leg.....	3	3	.....	.....	.....	.....
Dislocation of astragalus (outward)...	1	1	.....	.....	.....	.....
“ “ clavicle.....	2	2	.....	.....	.....	.....
“ “ carpus	1	1	.....	.....	.....	.....
“ “ hip.....	3	.....	.....	2	.....	1
“ “ jaw.....	1	1	.....	.....	.....	.....
“ “ tarsus	1	1	.....	.....	.....	.....
“ “ toe.....	1	1	.....	.....	.....	.....
Fracture of clavicle	3	3	.....	.....	.....	.....
“ “ femur (neck).....	2	2	.....	.....	.....	.....
“ Pott's	3	3	.....	.....	.....	.....
“ of finger.....	2	2	.....	.....	.....	.....
“ “ humerus.....	2	1	.....	.....	.....	1
“ “ toe.....	1	1	.....	.....	.....	.....
“ “ ribs	4	3	.....	.....	.....	1
“ “ radius (Colles).....	6	6	.....	.....	.....	.....
“ “ tibia.....	2	2	.....	.....	.....	.....
“ “ ulna.....	1	1	.....	.....	.....	.....
Frostbite.....	9	8	.....	.....	.....	1
Oyster hand	79	72	.....	.....	.....	7
Sprain of ankle	5	4	.....	.....	.....	1
“ “ wrist	8	8	.....	.....	.....	.....
Wounds, contused.....	15	15	.....	.....	.....	.....
“ incised.....	9	8	.....	.....	.....	1
“ lacerated	14	14	.....	.....	.....	.....
“ punctured	3	3	.....	.....	.....	.....
<i>Venereal Diseases.</i>						
Adenitis Ing	25	23	.....	.....	.....	2
Balanitis	9	9	.....	.....	.....	.....
Chancroid, simple	46	42	.....	.....	.....	4
“ phagedenic	4	2	1	.....	.....	1
Epididymitis.....	17	8	6	2	.....	1
Gonorrhea.....	68	54	6	3	.....	5
Herpes preputialis.....	1	1	.....	.....	.....	.....
Orchitis	11	9	.....	.....	.....	2

SURGICAL DISEASES—Continued.

DISEASES.	Treated.	DISCHARGED.				Remaining December 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
Phimosis	20	18				2
Para-phimosis	7	7				
Stricture urethral.	22	15	3			4
Syphilis, primary	8	2	5			1
“ secondary	37	2	23	1	2	9
“ tertiary	85		34	2	4	45
“ congenital	8		6		1	1
Warts, venereal	18	18				
<i>Unclassified.</i>						
Abscess of arm	3	2				1
“ axillary	1	1				
Abscess buccal	5	5				
Abscess of chest wall	2	2				
“ foot	2	2				
“ hand	1	1				
Abscess iliac	1					1
“ ichio-rectal	1					1
“ gluteal	1	1				
Abscess of labia	2	2				
“ knee	1	1				
Abscess peri-rectal	3	1				2
“ tubercular	10		8	1		1
Anchylosis of hip	1			1		
“ knee	3		1	1		1
Adenitis, cervical	1	1				
“ traumatic	3	3				
Amputation of finger	9	7				2
“ leg	2	2				
“ prepuce	7	7				
“ toe	3	3				
Arthritis deformans	4			2		2
Castration	2	1				1
Carcinoma of face	4			1	2	1
“ mamma	1				1	
“ penis	1				1	
“ stomach	1				1	
“ rectum	1				1	
“ tongue	1					1
“ uterus	2				2	

SURGICAL DISEASES—Continued.

DISEASES.	Treated.	DISCHARGED.				Remaining December 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
Caries of Ilium	1					1
Carbuncle.....	11	10				1
Cyst sebaceous	5	4				1
Cellulitis of hand	12	12				
" leg	2	2				
" foot	5	5				
Coxalgia	1		1			
Displaced testicle.....	2			1		1
Elephantiasis of leg	1			1		
Epithelioma of face.....	1		1			
Fistula in ano.....	3	2				1
Furunculosis	133	119	11			3
Gangrene of penis.....	1				1	
Gumma of tibia.....	12		12			
" palate	1					1
Hemorrhoids, external.....	28	18	4			6
" internal.....	9	5	2			2
Hernia, inguinal.....	30	1		8		21
" littres.....	1				1	
" femoral.....	2	1				1
" strangulated.....	1	1				
" umbilical	1					1
" ventral	2					2
Hydrocele	7	3	2			2
Imperforate anus.....	1				1	
Intestinal obstruction.....	1	1				
Kyphosis	3		1			2
Laminectomy	1	1				
Lipoma.....	2	2				
Lymphangitis	2	2				
Necrosis of fibula	1					1
" femur.....	1					1
" nasal.....	6		6			
" rib.....	1			1		
" tibia.....	1					1
Osteo-myelitis.....	1					1
Periostitis	1	1				
Prolapsus of rectum.....	2	1				1
Prostatic hypertrophy.....	35		9			26
Sarcoma sup-maxillary	2			1	1	
" of testicle.....	1			1		

SURGICAL DISEASES—Concluded.

DISEASES.	Treated.	DISCHARGED.				Remaining December 31, 1896.
		Cured.	Improved.	Unimproved.	Died.	
Senile gangrene	2	.....	.....	.....	2	.....
Skingrafting	3	3	.....	.....	.....	.....
Synovitis, simple	2	2	.....	.....	.....	.....
“ tubercular	1	.....	.....	1	.....	.....
Tubercular glands	22	.....	10	10	.....	2
Ulcer of foot (perforating)	4	1	.....	1	.....	2
“ “ leg	71	44	16	.....	.....	11
Ulcerated toe	3	3	.....	.....	.....	.....
Varicocele	5	1	4	.....	.....	.....
Varix	21	.....	9	1	.....	11
Total surgical diseases	1,124	671	181	42	21	209

RECAPITULATION.

Total ingress	3,495
“ egress	2,888
Remaining in wards December 31, 1896	607

REPORT

— OF THE —

Resident Physicians of the Baltimore Insane Hospital.

INSANE DEPARTMENT.

PHYSICIAN IN CHARGE.

WALTER S. CARSWELL, M.D.

ASSISTANT RESIDENT PHYSICIAN².

HUBERT C. KNAPP, M.D., *First Assistant*.

J. JUSTIN McCARTHY, M.D., *Second Assistant*.

MATRON.

Mrs. EMMA GREENFIELD.

VISITING STAFF.

ALIENISTS.

HENRY M. HURD, M.D.

HENRY J. BERKELEY, M.D.

E. M. SINGEWALD, M.D.

SURGEON.

EUGENE McE. VAN NESS.

GYNECOLOGIST.

J. WHITRIDGE WILLIAMS, M.D.

OPHTHALMOLOGIST.

C. H. MEDDERS, M.D.

REPORT.

BAY VIEW ASYLUM,
BALTIMORE, December 31st, 1896.

To the Board of Trustees:

LADIES AND GENTLEMEN: I have the honor to submit the following annual report of the Insane Department for the year ending December 31st, 1896. From your weekly meetings and frequent visits of inspection there remains but little with which you are not familiar, but as it is chiefly through this report that the community is made acquainted with the administration and operations of the institution, I will, therefore, enter into some detail.

The number of patients in the department on December 31st, 1895, was 384. During the year 125 were admitted. Of the total number treated, 22 have been discharged as recovered, 24 as improved, 45 as unimproved, and 33 have died, leaving a remainder of 385.

This year has been an exceptionally bright one for the insane, and very encouraging. The Board realizing that caring for the insane consists not in their confinement and the use of drugs, have made their surroundings as comfortable and attractive as possible.

The employment of mechanical restraint has gradually become less necessary, and is now only used when required to prevent destruction of property, self-mutilation or injury to others.

Patients who will not abuse the privileges have been put on parole, and have perfect freedom of the grounds.

The general health of the patients has been exceptionally good. The sanitary condition of the hospital has received rigid attention, and is thereby greatly improved. The wards have been newly painted, and various improvements made throughout the buildings. By the services of careful and painstaking attendants, the wards have been kept in a condition of perfect cleanliness. This department has been enabled to avail of the new system of rain-baths, recently introduced at the institution.

Chairs in the dining-rooms to replace the benches, spring mattresses for the hospital beds, the fitting out completely

of both chemical and bacteriological laboratories and operating room, thus giving the staff opportunity to do more efficient work are noteworthy improvements.

In addition to the usual amusements of football, baseball and various other games, marches around the grounds and a weekly entertainment, consisting of music, singing and dancing, has been instituted, for which a piano has been provided.

Under the supervision of Mrs. George C. Wilkins, a sewing school has been organized, where patients are taught sewing, embroidering, knitting, etc. Keeping them so employed with work of this character tends to check the degeneration of both mind and body. The effect upon the moral character is plainly evident, and in our overcrowded wards I believe this diversion to be invaluable. This overcrowded condition of the wards should receive most serious attention, and the evil removed as soon as possible, as the number of patients are constantly increasing. During the past year the new state asylum, "Springfield," relieved us but little, fifteen patients only having been transferred, and we have been compelled to transfer many patients to the pauper department, and if it were not for this resource we would, indeed, be in a deplorable condition. The growth of the insane department has been such that reinforcement of the medical staff was found necessary and a second assistant obtained. Additional nurses and attendants have also been employed, thereby aiding much in the care and discipline of the patients.

The labor of the patients has been utilized about the institution and grounds, and serves both as a means of economy, as well as therapeutic resource. The work of terracing and grading the grounds has afforded employment to a number of the male patients, and our matron reports that 6,515 new articles of clothing and house linen have been made, and 23,369 similar articles have been repaired. The quality and character of the food has been markedly improved. In the treatment of insanity, entertainment, exercise and abundance of wholesome and nutritious food are of great therapeutic value. I take pleasure in acknowledging the efficient aid rendered by many kind friends at our winter evening entertainments; also the timely gifts of magazines and illustrated papers for the wards, as they are greatly appreciated by the patients. These little acts help make up their day, a day that becomes their life.

Very respectfully,

W. S. CARSWELL, M. D.

INSANE STATISTICS.

TABLE I.

General Statement for the Year 1896.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
Patients in Insane Department Dec. 31, 1895.....	150	149	29	56	384
Admitted from Baltimore.	45	33	19	20	117
Transferred from almshouse.....	3	2	3	....	8
Total number under treatment.....	198	184	51	76	509
Discharged.	40	16	14	5	75
Transferred to almshouse.....	5	6	3	2	16
Died.....	14	9	5	5	33
Total egress during the year.....	59	31	22	12	124
Remaining in Insane Department Dec. 31, 1896...	139	153	29	64	385
In Insane Department twice during the year.....	2	3	1	....	6

TABLE II.

Time of Residence of Those Discharged Otherwise Than by Death.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
One month or less.....	10	7	7	2	26
Between 1 and 3 months.....	9	2	4	1	16
“ 3 “ 6 “	2	8	....	1	11
“ 6 “ 12 “	7	3	5	....	15
“ 1 “ 2 years.....	4	2	1	2	9
“ 2 “ 4 “	3	....	....	....	3
“ 4 “ 6 “	2	1	....	....	3
“ 6 “ 8 “	4	....	....	....	4
“ 8 “ 10 “	3	....	....	....	3
“ 10 “ 12 “	1	..	....	....	1
Total number discharged	45	23	17	6	91

TABLE III.

Showing Monthly Admissions, Discharges, Deaths and Averages.

	Admitted.	Discharged.	Died.	Averages.
January	10	8	4	383
February	10	5	2	382.9
March.....	15	4	....	389.42
April.....	15	10	4	396.3
May	9	9	4	393.71
June.....	13	6	2	393.73
July.....	11	3	5	399.81
August....	9	7	4	399.42
September.....	12	5	3	400.17
October.....	5	7	2	401.71
November.....	11	20	1	389.47
December.....	5	7	2	385.87
	125	91	33	.....

Average number of patients during the year.....	392.96
Highest " " " "	404
Lowest " " " "	380

TABLE IV.

Nativity of Patients Admitted During the Year.

Baltimore City.....	46	Ireland.....	9
Maryland	21	Scotland	1
Delaware	2	Germany	11
District of Columbia.....	2	Austria	3
Virginia.....	10	Bavaria	1
South Carolina.....	2	Sweden	1
Kentucky	1	Russia	2
New York.....	2	Russian Poland.....	2
Pennsylvania	4	China	1
Indiana	1	Unknown	3
Total			125

TABLE V.

Showing Occupations of Those Admitted During the Year.

Actor.....	1	Laborers.....	26
Bakers.....	2	Laundress.....	1
Barber.....	1	Laundryman.....	1
Boarding-house keeper.....	1	Moulders.....	2
Boxmaker.....	1	Nurse.....	1
Bricklayer.....	1	Painter.....	1
Brickmaker.....	1	Peddler.....	1
Bristlemaker.....	1	Printer.....	1
Cigarmakers.....	3	Sailor.....	1
Confectioner.....	1	Salesman.....	1
Cooks.....	3	Saloonkeeper.....	1
Domestics.....	24	Sempstresses.....	4
Dressmaker.....	1	Ship carpenters.....	2
Farmer.....	1	Shoemaker.....	1
Farm hand.....	1	Steward.....	1
Fireman.....	1	Tailors.....	2
Gardener.....	1	Teamster.....	1
Grocer.....	1	Tinner.....	1
Hodcarrier.....	1	Upholsterer.....	1
Hostler.....	1	Waiters.....	2
Housekeepers.....	2	Of no occupation.....	7
Housewives.....	12	Unknown.....	4
Total.....			125

TABLE VI.

Showing Mental Disorders of Those Admitted During the Year 1896.

Mania, acute.....	7	Dementia, post-febrile.....	1
“ chronic.....	5	Alcoholism, acute.....	8
“ recurrent.....	3	“ chronic.....	8
“ post-epileptic.....	4	Imbecility.....	15
Melancholia, acute.....	4	Paranoia.....	3
“ chronic.....	5	Delusional insanity, chronic..	9
“ stuporous.....	2	Confusional insanity, acute...	2
Dementia, senile.....	2	Climacteric insanity.....	3
“ organic.....	3	Puerpal insanity.....	4
“ alcoholic.....	1	Periodical insanity.....	1
“ pre-senile.....	3	General paresis.....	4
“ syphilitic.....	4	Masturbatory imbecile.....	1
“ acute.....	2	Adolescent insanity.....	2
“ secondary.....	1	Senility.....	17
“ terminal.....	1		
Total.....			125

TABLE VII.
Time of Residence of Those Who Died.

	White Males.	White Females.	Colored Males.	Colored Females.	Totals.
One month or less	1	3	1	.....	5
Between 1 and 3 months.....	1	.....	1	1	3
“ 3 “ 6 “	3	1	.....	.....	4
“ 6 “ 12 “	2	1	2	.....	5
“ 1 “ 2 years.....	2	.....	1	2	5
“ 2 “ 4 “	2	.....	.....	.....	2
“ 4 “ 6 “ .....	.....	2	.....	1	3
“ 6 “ 8 “	1	.....	.....	.....	1
“ 8 “ 10 “	1	1	.....	.....	2
“ 10 “ 12 “	1	.....	.....	1	2
Of 21 years.....	.....	1	.....	.....	1
Total number of deaths.....	14	9	5	5	33

TABLE VIII.
Showing Cause of Death of Those Who Died During the Year.

Phthisis	5	Acute dysentery.....	1
Exhaustion of dementia.....	3	Chronic parenchymatous ne-	
“ mania.....	1	phritis.....	4
“ senility	4	Epileptic dementia.....	1
“ general paresis.....	1	Peritonitis.....	1
Status epilepticus.....	4	Aortic stenosis.....	1
Abnormal child-birth... ..	1	Mital regurgitation.....	1
Apoplexy	1	Suicide	1
Acute pulmonary oedema	3		
Total			33

TABLE IX.
Showing Mental Disorder of Those Who Died During the Year.

Dementia, senile.....	6	Melancholia, chronic.....	2
“ terminal	3	Mania, chronic.....	3
“ parietic.....	2	Paranoia	1
Epileptic insanity.....	3	Post-epileptic mania.....	2
Imbecility.....	3	Alcoholism, chronic.....	4
Chronic delusional insanity...	1	Idiocy	1
Melancholia, acute.....	2		
Total			33

ANNUAL REPORT

— OF THE —

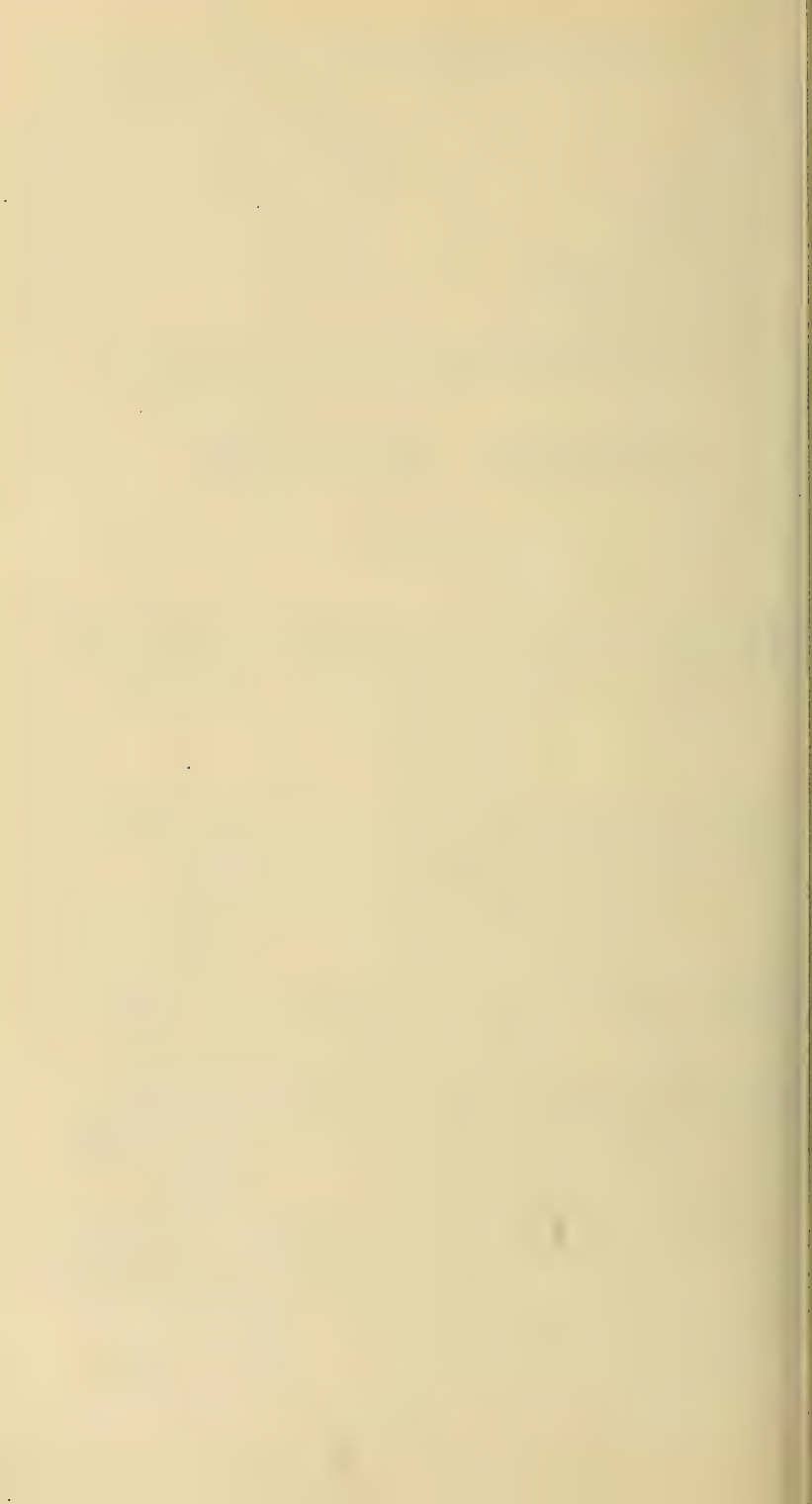
HEALTH DEPARTMENT

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



OFFICERS AND EMPLOYES OF THE BOARD OF HEALTH

— OF THE —

CITY AND PORT OF BALTIMORE FOR THE YEAR ENDING DEC. 31, 1896.

HON. ALCAEUS HOOPER, MAYOR,
Member ex-officio.

JAMES F. McSHANE, M.D.,
President, Commissioner of Health and Registrar.

HIRAM L. SPICER, M.D.,
Assistant Commissioner of Health.

V. BURGESS HINES,
Secretary of the Board of Health.

GEORGE C. VANSANT,
Assistant Secretary of the Board of Health.

SIDNEY O. HEISKELL, M.D.,
Resident Physician at the Quarantine Hospital of the Port of Baltimore.

A. W. SMITH, *Assistant Physician.*

JAMES D. STIDHAM, *Inspector of Plumbing.*

S. CHARLES WEGEFARTH, M.D., *Inspector of Drains.*

MICHAEL A. MALONEY, *Permit Clerk.*

HARRY C. ANDREWS, *Nuisance Clerk.*

JAMES E. HUBBERT, *Clerk to Registrar.*

JAMES E. KING, *Recorder of Births.*

MONTGOMERY LAWRENCE, *Ass't Permit and Ass't Registrar's Clerk.*

SANITARY INSPECTORS.

JOSEPH V. FITZPATRICK,

HENRY MCKEWEN,

C. HAMPSON JONES, M.D.,

DAVID BRUCE,

JOHN M. DE GOEY,

GEORGE C. CORNELIUS, V.S.,

JOHN F. HEMPEL, M.D.

GEORGE E. BROWN, *Superintendent of Public Cemeteries.*

FOOD INSPECTION.

PROF. G. W. LEHMANN.

THOMAS SLAGLE and HENRY S. REAY, *Inspectors of Milk.*

T. EUGENE CARMICHAEL, *Inspector of Meats, Vegetables, Fruit, etc.*

CITY ANNEX—SANITARY INSPECTORS.

D. S. WILLIAMS, M.D., and LOUIS F. FREY, M.D., *Twenty-first Ward.*

ROBERT E. L. HALL, M.D., and GEORGE H. EVERHART, M.D., *Twenty-second Ward.*

VACCINE PHYSICIANS.

First Ward:

CHARLES S. NEER, M.D., 619 S. Patterson Park avenue.

Second Ward:

JOHN H. REHBERGER, M.D., 1709 Aliceanna street.

Third Ward:

WILLIAM H. HUGHES, M.D., 1523 E. Baltimore street.

Fourth Ward:

JACOB H. MITNICK, M.D., 309 N. Exeter street.

Fifth Ward:

ARTHUR WEGEFARTH, M.D., 805 Aisquith street.

Sixth Ward:

SAMUEL T. ROEDER, M.D., 1904 E. Fayette street.

Seventh Ward:

G. HENRY CHABOT, M.D., 1111 E. Preston street.

Eighth Ward:

HENRY F. CASSIDY, M.D., 702 Greenmount avenue.

Ninth Ward:

MORRIS C. ROBINS, M.D., 1344 Druid Hill avenue.

Tenth Ward:

AUGUST HORN, M.D., 697 W. Mulberry street.

Eleventh Ward:

EDMUND L. YOUREX, M.D., 1138 Druid Hill avenue.

Twelfth Ward:

THOMAS P. McCORMICK, M.D., 1421 Eutaw Place.

Thirteenth Ward:

WILLIAM WOLF, M.D., 945 W. Fayette street.

Fourteenth Ward:

JOHN G. JEFFERS, M.D., 1143 W. Franklin street.

Fifteenth Ward:

HENRY H. IMHOFE, M.D., 622 Hanover street.

Sixteenth Ward:

Seventeenth Ward:

HENRY STARK, M.D., 1722 Druid Hill avenue.

Eighteenth Ward:

HARRY BOYD, M.D., 677 Columbia avenue.

Nineteenth Ward:

JOHN W. LINTHICUM, M.D., 1327 W. Fayette street.

Twentieth Ward:

PAUL F. DEFORD, M.D., 707 N. Gilmor street.

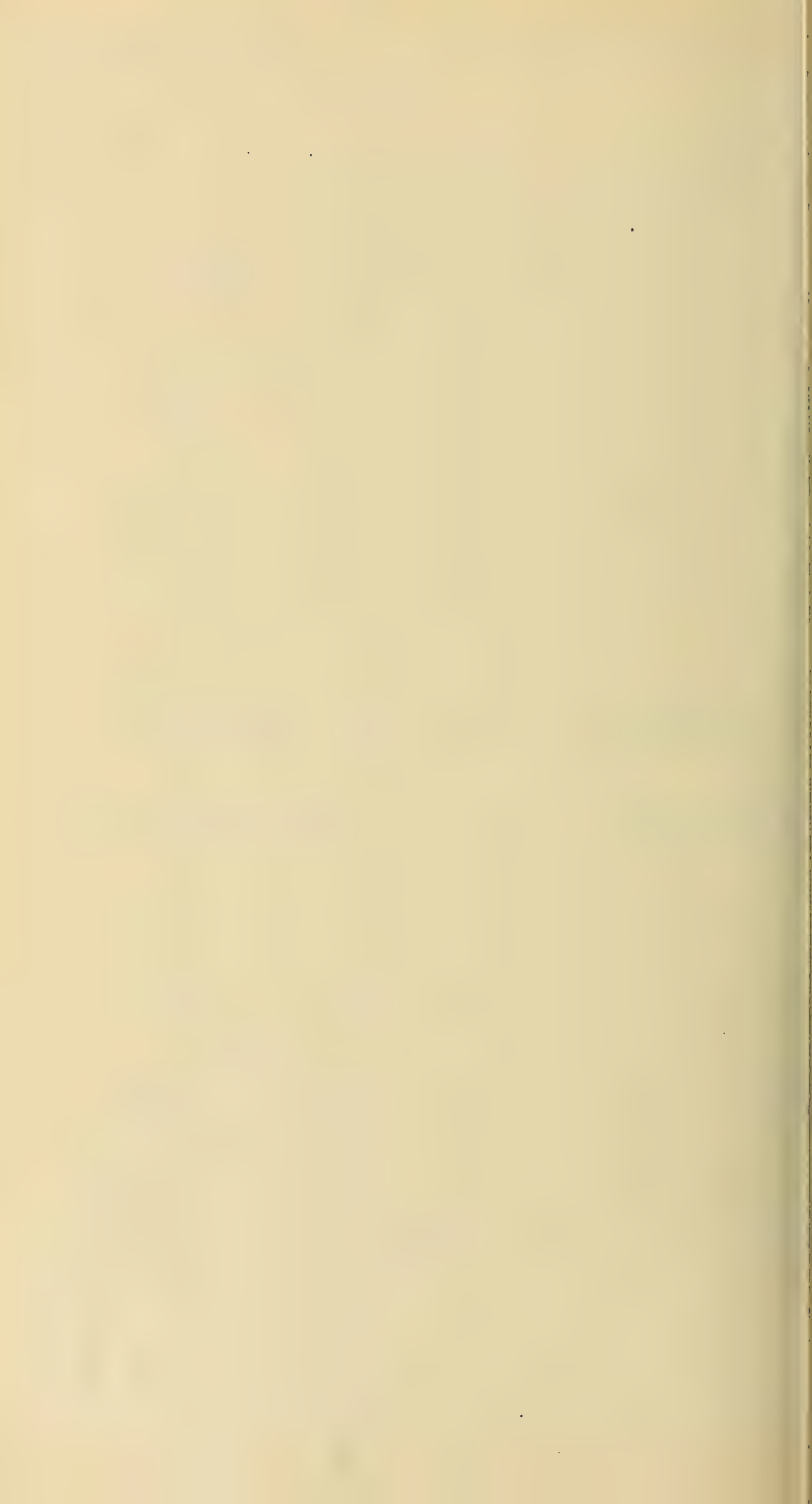
Twenty-first Ward:

MORRIS SHANKS, M.D., cor. Union and Druid Hill avenues.

Twenty-second Ward:

HENRY G. PRENTISS, M.D., 809 Gorsuch avenue.

REPORT
OF THE
COMMISSIONER OF HEALTH.



REPORT.

HEALTH DEPARTMENT,
BALTIMORE, January 2, 1897.

To the Honorable the Mayor and City Council of Baltimore :

GENTLEMEN : I have the honor to submit the following report of the operations of the Health Department for the year ending December 31, 1896.

In presenting a history of the year's work it is gratifying to state that the health conditions have been fair and the mortality less than the preceding year. The total mortality for the year was 9,919, of which number 7,612 were white and 2,307 were colored. The death rate for the whites was 17.66 per thousand of population, and 30.76 for the colored. The rate for the whole population was 19.60. Whilst this rate is comparatively low, yet the adoption of more effective measures for the protection of the public health would unquestionably reduce it materially. Baltimore, endowed in its early days with most favorable climates and topographical conditions, with a soil possessing the essentials to free and rapid drainage and a plentitude of other sanitary advantages, has passed through its stages of early growth and developed into a metropolis without awakening to the knowledge that this heritage is exhaustible, and that for the preservation of its health interests it must adopt the protective agencies of modern sanitary science. Newer, broader and more comprehensive practices in the interest of public health are demanded, and reckless reliance upon natural advantages must be discontinued, otherwise our people will arrive at a point where they cannot ignore the fact that the chemistry of nature is no longer sufficient and that earth, air and water are suffering pollution from the accumulated waste products of human and animal life. Village methods are being perpetuated under metropolitan conditions. Sanitary improvements have not kept pace with natural progress and the health record suffers in consequence. Artificial drainage

should be substituted for natural; the privy and cesspool abandoned for the closet and the sewer; sewage must be diverted from its deleterious duty of polluting the soil and streams and conveyed to points of discharge that will produce no evil effects; animal and vegetable refuse must be disposed of by incineration or reduction, instead of the present insanitary method; these and other sanitary reforms require consideration and adoption at the earliest practicable moment, in order to maintain the natural health conditions which have done much for us in the past.

The ratio of deaths of children under 5 years of age to the total mortality was 37.58 per cent., a reduction of 1.45 per cent. over the preceding year. There were 1,174 deaths of persons over 70 years of age, showing a large number of aged decedents.

BIRTHS.

The total number of births reported during the year was 8,794, of which 7,495 were white and 1,299 colored.

TABLE SHOWING THE NUMBER OF CASES REPORTED AND MORTALITY FROM PRINCIPAL ZYMOTIC DISEASES DURING THE YEAR 1896 COMPARED WITH 1895.

DISEASES.	Cases reported in 1896.	Deaths reported in 1895.	Cases reported in 1895.	Deaths reported in 1895.
Diphtheria	480	249	371	265
Croup	173	32	258	45
Scarlet fever.....	694	31	775	59
Measles.....	1,002	27	2,332	68
Vario or varioloid	2	.....	3	.....
Varicella.....	68	2	40	.....
Whooping cough.....	266	87	171	68
Mumps.....	73	1	62	2
Typhoid fever.....	472	188	260*	173
Consumption.....	.....	1,122	.....	1,141
Pneumonia .....	.....	884	.....	933
Cholera infantum.....	.....	412	.....	510

* Compulsory reporting of typhoid fever went into effect on July 1, 1895.

Variola.—Two cases of variola occurred in the city during the past year. Prompt measures prevented any further development of the disease.

Consumption.—The number of deaths from this cause during the year was 1,122, a decrease of 19 as compared with the year 1895.

Extensive scientific observations show that consumption or tuberculosis is one of the most infectious of diseases, and it is of vast importance that means should be adopted in the way of restriction and prevention. Tuberculosis is on the increase where it has always existed, and has appeared where formerly unheard of, and whose climatic conditions have in recent years attracted tuberculous persons have become infected and now offer no immunity even to natives. This is due to a contamination of a previously pure air by imported infectious material. If whole regions can be thus infected, how much easier can public conveyances, places of worship and entertainments, private houses, etc., become the foci of infection. Much would be accomplished if the public could be brought to realize the infectiousness of the sputum and the importance of demanding the exercise of every reasonable precaution against the dissemination of the millions of specific germs that are contained in it. Public conveyances, particularly street cars, are undoubtedly an important source of infection from the deposition of expectoration on the floor, where it dries and is readily disseminated in the air by the movement of the car, and is carried to all susceptible individuals. While signs forbidding spitting on the floor are put up in all street cars, I do not think the order is enforced. Rules against smoking are successfully carried out, why not against the more dangerous habit of spitting on the floor? If this rule cannot be enforced by the employes of street car companies, then an ordinance forbidding under penalty all persons from expectorating upon car floors should be enacted. Some of the infectious diseases prevailed quite extensively during the past year. 6.17 or 6.22 per cent. of the mortality were due to said diseases. From this it would appear that at least some of the methods employed in the past for preventing or restricting the prevalence of these diseases have not had the desired effect. This condition is due to the laxity of physicians who neglect to report to this department every such case; the lack of sufficient funds with which to secure the employment of proper appliances and service for carrying on the work. One of the most important means of preventing the spread of infectious disease is the prompt

application of modern and progressive methods of disinfection. The system practiced here is of a superficial character and wholly inadequate to insure proper disinfection. A properly trained disinfecting corps, as well as better appliances for carrying on the work, including a steam disinfecting plant, are absolutely necessary to render reasonably sure the efficacy of this work and to conform to the requirements of law.

In connection with the sanitary supervision of infectious and contagious diseases, the question of determining when the danger of infection has passed is a most important one. At present all that is required is a certificate from the attending physician, setting forth not only that the patient has fully recovered, but also that in his opinion there is no further danger of infection. This latter requirement is manifestly unjust to the physician, and often places him in an embarrassing position. Realizing and appreciating the fact that at times there is great pressure brought to bear in order to induce him to certify what he may not be perfectly satisfied as being correct, and if he refuses to do so, is often sharply criticised therefor, all responsibility regarding such cases should therefore be assumed by this department, after the physician has discharged the patient from treatment and simply certified a full recovery. There his duty and responsibility should end. The time when danger from infection has passed should be determined by this department, based upon rules to be adopted, and upon the reports of its physicians, acting as sanitary inspectors, after examinations have been made by them in each case. This would insure a uniform system, and be much more satisfactory to all concerned than the present one.

As has been frequently referred to in previous reports, the necessity for hospital accommodations for the isolation, care and treatment of infectious disease continues to exist. Frequent demands are made upon the department for the care of such cases, but unfortunately we are unable to render any service, as the city is not in possession of the necessary facilities. The general hospitals, all of which are private institutions, have refused to admit patients of this character, and with good reason for such action, as none are in possession of the accommodations for proper isolation (Johns Hopkins Hospital excepted.) Such being the case, it is the bounden duty of the municipal authorities to provide ways and means for the care of such cases, in the interest of suf-

fering humanity, as well as the public welfare. It is earnestly hoped that this matter will be given serious consideration in the very near future.

Much might be accomplished in preventing contagious diseases by the method of medical-school inspection for some time in vogue in Boston and recently introduced in New York. Schools, public and private, are factors in the spread of contagion. Each medical inspector is held responsible for the health of the schools which he visits. The teachers report to the inspector at his daily visit cases of children apparently not well, absentees, etc. Examinations of suspected cases are made, and visits to the houses of the sick or absentees also made when necessary. By this means it is hoped to get control of those cases of contagious diseases not reported, as demanded by law. It is believed by this system the mortality from contagious diseases can be reduced five per cent.

WATER.

By direction of His Honor Mayor Hooper, Doctor George H. Everhart, Sanitary Inspector, was employed in making inspections of the water-sheds of Jones Falls and the Gunpowder River. From February 3 to the present time daily examinations of these streams and their tributaries have been made, and a large number of nuisances threatening the contamination of the water supply have been voluntarily abated upon notification. Twenty-one suits have been entered against persons who neglected or refused to comply with notices served, and the cases are now pending in the Circuit Court of Baltimore County. Complaints have been frequent of the unpalatable condition of the water, particularly during the fall and winter months. The bad taste is due to the decomposition of vegetable matter and the deposition of mud, silt, etc. The importance of protecting and preserving the purity of our water supply is paramount, and from the evidence adduced by the inspections made shows the necessity of adopting means for the protection of the streams against sources of possible contamination, and providing in the not distant future of putting into operation some appliance for the purification of the water. It is true that frequent chemical and bacteriological examinations of the water indicate the absence of those contents that guide us in pronouncing the supply as unfit for potable purposes, yet ocular inspection of the sources of supply show reasons for being

apprehensive of organic pollution from various sources. Constructed, as our reservoirs have been, under the natural or self-purification method, the greater part of the bacteria are removed, in part by sedimentation, and in part by death. As the conditions in reservoirs are not usually favorable for the propagation of pathogenic germs, nevertheless this sedimentation has been going on for a number of years and the amount of deposit has reached such proportions as to demand removal, and that promptly, in order to render effective even this process. We must not lose sight of the fact, that with increased population and the multiplication of sources of danger of contamination upon the water-shed, some method must be adopted in the future to remove impurities, and this can unquestionably be accomplished by filtration.

REPORT OF CHEMIST.

This important branch of the department has proved to be of great value, and the duties with which it is charged have been intelligently and conscientiously discharged in inspecting, condemning and confiscating such articles of food as meat, milk, etc.

A careful consideration of the report of the chemist is earnestly solicited. The detailed account of the investigations made and work performed will be found to be very comprehensive. The work of chemical analyses of food products was until July 1 conducted in a private laboratory, and the scope of the work was limited. The removal of the department from the insufficient quarters assigned it in the City Hall to the more spacious apartments provided by His Honor Mayor Hooper, in the building now known as the City Hall Annex, has enabled us to establish a chemical laboratory, which has proved invaluable in protecting the public against bad water, the adulteration of food supplies and various other sources of municipal danger.

Much work has been done in regard to the protection of the city water supply, almost daily examinations having been made and with very favorable results. Many polluted wells have been discovered and closed. One of the most valuable series of examinations which has been carried on in this laboratory is the daily inspection of milk shipped to the city from the surrounding country. The examination of other food products and the varied tests made by the chemist have proven of great service to the corporation and citizens.

Much good has been accomplished by the milk inspectors, and the amount of milk spilled has demonstrated the absolute necessity of this admirable and effective service, yet control of the milk supply is insufficient, owing to the lack of a sufficient force of inspectors, and supervision of dairy herds outside of the city limits. No effort has been made to determine the condition of cattle giving the milk, whether healthy and free from any infectious disease; the examinations of the feed and water given the cows; the sanitary condition of stables and the character of the water used for washing the cans; the sanitary condition of the milkmen's families, and whether they have any infectious diseases; the habits of those handling the milk and the methods used in milking. All these are important conditions which contribute to the healthfulness or infectiousness of the milk. The most important thing is to determine whether the animal furnishing the milk is healthy or not. An interesting report, prepared by Drs. Busey and Kober, of Washington, D. C., and published by the health officer of that city, on "Morbific and Infectious Milk," points out certain diseases of cows that effect the milk deleteriously, if not dangerously. Among the diseases which render milk unfit for food, they cite the following affections: Garget and inflammatory conditions of the udder and teats, gastro-enteric diseases, puerperal and other septic fevers, foot and mouth disease, cow-pox, anthrax, pleuro-pneumonia, rabies, tetanus and tuberculosis. In this report ample proof of the infectious character of milk from cows affected with these diseases is shown; also that fatal sickness has arisen in consequence of the use of milk thus infected. The quantity of milk used is enormous, and its production and care demand legal supervision, especially because of the large number of infants who are artificially fed and whose sole dependence for life is this most important food product. In England and Wales during the year 1895 one-fifth of the total deaths were children under one year of age, and it has been shown that of this frightful mortality much of the greater proportion were artificially fed children. In Berlin, in giving the certificates of death of children under one year, the fact must be stated as to whether the child was fed from the breast or brought up artificially. In 10,000 deaths thus reported it was found that two-thirds or 7,646 were artificially fed. Hope, in a series of investigations in England, discovered that only 3 per cent. of 1,000 deaths occurred in

infants that were breast fed, and Minert, of Bavaria, found in a similar investigation that out of 400 deaths of children from summer diarrhœa that came under his notice, 96 per cent. were fed artificially. One hundred and thirty-eight epidemics of typhoid fever, 74 of scarlet fever, 28 of diphtheria, a total of 240 epidemics, have been traced directly to contaminated milk. One hundred and eighty-seven of these have been recorded by English authors, 31 by American, 9 by Scandinavian, 8 by Germans, 3 by Australians and 1 each by French and Swiss. In view of these facts it is extremely important that milk, so well adapted by nature in its normal condition to the growth and development of the body, should have thrown around it every legal safeguard and means for furnishing a pure and wholesome article. All dairy cattle throughout the state should be carefully inspected by a competent veterinarian with a view to determining the presence of any of the diseases mentioned, the habits of dairymen with respect to cleanliness, the barns or stables, the water supply and the prohibition of the sale of milk from dairies where infectious diseases exist. This, of course, can only be accomplished by legislative enactment, and the legislators could not give their attention to a more important measure than the improvement of the milk supply, and thus insure a better quality of this universal article of diet.

It is further urged that an amendment be made to Ordinance No. 87, approved May 16, 1894, requiring every person selling milk in the city to obtain a license from the Health Department; said license to be issued without cost; and the licensee shall, as a condition precedent to obtaining such license, consent that the dairy herd from which he obtains his supply may be inspected by the Commissioner of Health, although such dairy herd is kept outside of the city limits. An ordinance approved April 21, 1896, embodying the recommendations above mentioned, went into effect in this city June 21, and the work of examination of cow-stables was placed in the hands of a sanitary inspector, who was also a veterinarian. Since that time three hundred and four cow-stables have been examined and notices sent to one hundred and seventy-two proprietors to conform to the requirements of the above-mentioned ordinance. Eleven hundred and ninety-two cows have been examined. Ample time has been given the owners of these stables to comply with the provisions of the law, and steps will be taken at the earliest

practicable moment to enforce the requirements against such as have not complied.

REPORT OF THE INSPECTOR OF MEATS, FISH, ETC.

This report shows that 6,982 visits were made during the year to the abattoirs, slaughter-houses, markets and provision stores; and 91,831 pounds of meat, poultry and fish were condemned and destroyed; also a large quantity of vegetables and fruits.

REPORT OF BACTERIOLOGIST.

The City of Baltimore is to be congratulated upon the organization of this addition to the department, and its use should be fostered and encouraged. The success of this division is due to His Honor the Mayor, who directed the purchase of apparatus and supplies for the establishment and equipment of a laboratory, which was followed by the appointment of a bacteriologist, whose untiring and painstaking work and investigations in the interest of the public health are most commendable. The use of this laboratory is quite extensive and the results therefrom very gratifying.

The examinations made for physicians in cases of diphtheria, tuberculosis and typhoid fever are not only useful in throwing light upon the doubtful cases, but are of great value in affording means, particularly in diphtheria, of isolating cases until the air passages are free from the germs and determining when the patient can again mingle with the public.

A number of diseased cows supplying milk to the city have been isolated, through examinations made in this laboratory, and the danger of infection through such means averted.

It is obvious that such laboratories, equipped with every means of solving the various problems which daily arise in regard to municipal hygiene, must be of great service to the Health Department, and the public are to be congratulated upon the wisdom which has prompted this establishment.

A detailed account of the work carried on will be found in the report of the bacteriologist.

By an ordinance approved June 10, 1895, provision was made for the inspection of bakeries and confectioneries, and the appointment of an inspector. The work of inspection

was begun on June 15, Mr. G. F. Rueckert being appointed inspector, and the work performed will be found in detail in his report hereto appended.

This department was relieved of the work of removing vegetable and other matter found floating in the dock, this work having been transferred by direction of His Honor Mayor Hooper to the Harbor Board.

REPORT OF THE MEDICAL EXAMINERS.

The report shows that eighty post-mortems were made during the year.

REPORT OF THE INSPECTOR OF PLUMBING.

The report of the Inspector of Plumbing is herewith appended. In this connection I would suggest a revision and amplification of the rules and regulations promulgated under the law establishing this most important bureau.

THE MORGUE.

The following report of the keeper shows the number of bodies cared for and the disposition made of them:

Males	260
Females	85
White	188
Colored.....	157
Still-birth (unclassified).....	1
Buried by relations or friends.....	150
Buried by city.....	190
Number of bodies identified.....	327
Number of bodies unidentified.....	19
Number of post-mortems.....	21
Number of bodies remaining in Morgue December 31, 1896.....	6
Total number of bodies received from January 1, 1896, to December 31, 1896	346
Total number of bodies received from March 11, 1891 (date of opening), to December 31, 1896.....	1,056

REPORT OF THE ASSISTANT COMMISSIONER OF HEALTH.

The report of Dr. H. L. Spicer, Assistant Commissioner of Health, shows in detail the work performed by the sanitary inspectors, etc.

REPORT OF THE SUPERINTENDENT OF PUBLIC CEMETERIES.

The accompanying report of the Superintendent of Public Cemeteries gives detailed statement of interments, etc.

THE FOLLOWING ARE THE ESTIMATES FOR THE EXPENSES OF THE HEALTH DEPARTMENT FOR THE YEAR 1897:

Salaries.....	\$44,860 00
General Health.....	20,000 00
Quarantine Hospital.....	20,000 00
Removal of canning-house refuse.....	5,000 00

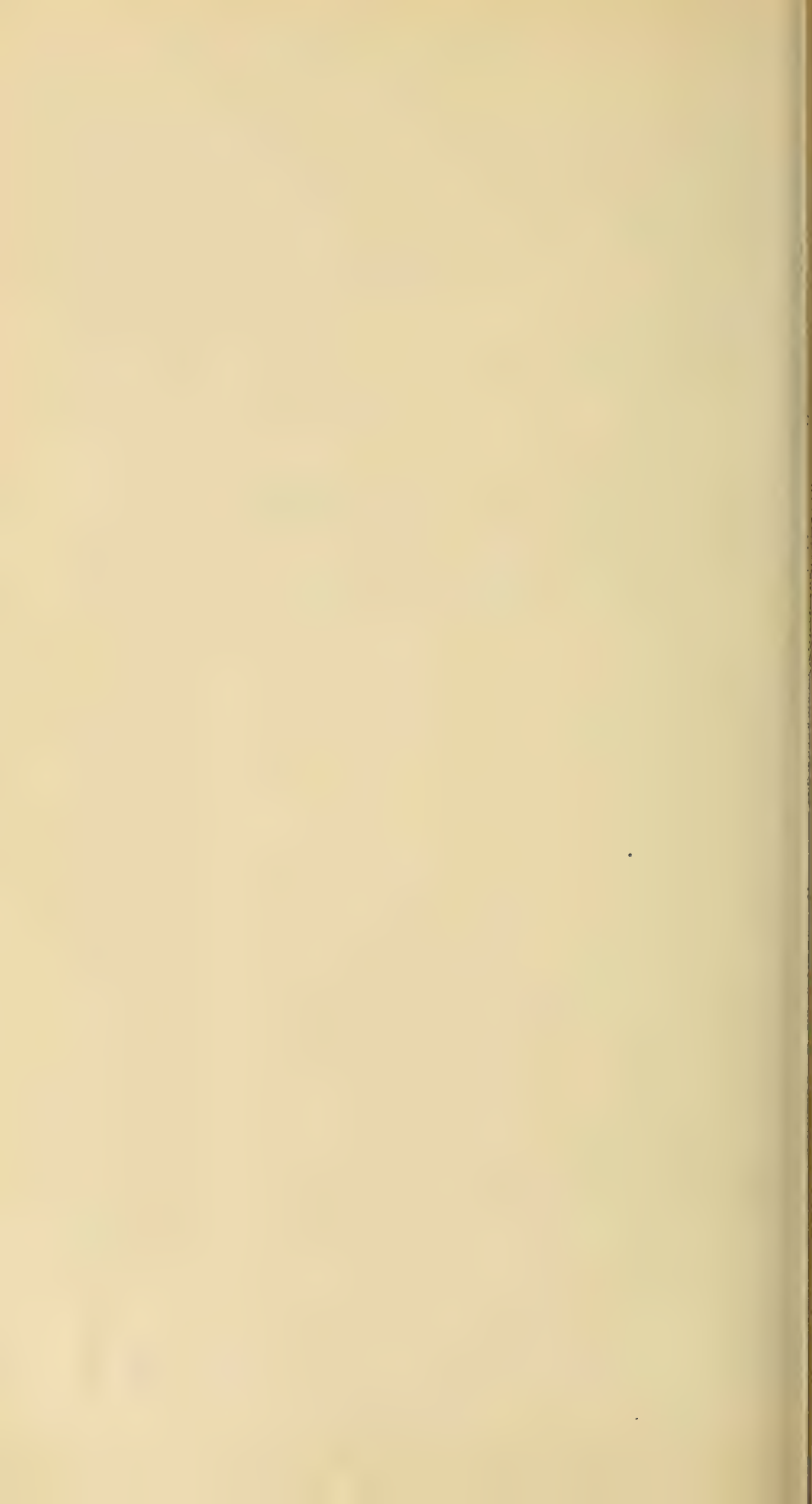
CITY ANNEX:

Salaries.....	\$3,800 00
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In conclusion, I desire to return thanks for the consideration and courtesy shown me during the year.

Very respectfully, your obedient servant,

JAMES F. McSHANE, M. D.,
Commissioner of Health.



TABLES.

VITAL STATISTICS OF THE CITY OF BALTIMORE FOR THE YEAR 1896.

Estimated population, white.....	431,054	
“ “ colored	75,344	
Total.....	506,398	
Marriages, 4,534. Rate per 1,000 of population.....	8,960	
Births (reported), white males.....	3,762	
“ “ “ females.....	3,733	
Total white.....	7,495	
Births (reported), colored males.....	633	
“ “ “ females.....	666	
Total colored.....	1,299	
Total males	4,395	
“ females.....	4,399	
Grand total.....	8,794	
Birth rate per 1,000, white population.....	17.38	
“ “ colored “	17.32	
“ “ whole “	17.37	
Still births	678	
Total mortality native white males.....	3,067	
“ “ “ “ females	2,845	
Total	5,912	
Total mortality foreign white males	889	
“ “ “ “ females.....	811	
Total.....	1,700	
Total mortality colored males.....	1,140	
“ “ “ “ females.. ..	1,167	
Total	2,307	
Total males.....	5,096	
“ females.....	4,823	
Grand total.....	9,919	
Annual death rate per 1,000, white population.....	17.66	
“ “ “ “ colored “	30.76	
“ “ “ “ whole “	19.60	
Total number of deaths from Measles.....	27	
“ “ “ “ Scarlet fever.....	31	
“ “ “ “ Diphtheria.....	249	
“ “ “ “ Croup	32	
“ “ “ “ Whooping-cough.....	87	
“ “ “ “ Typhoid fever.....	188	
“ “ “ “ Typho-malarial fever..	16	
“ “ “ “ Diarrhoea.....	113	
“ “ “ “ Dysentery	82	
“ “ “ “ Cholera infantum.....	412	
“ “ “ “ Cholera morbus.....	22	

Total number of deaths from Consumption.....	1,122
“ “ “ Pneumonia	884
“ “ “ Bronchitis.....	253
“ “ “ Influenza	60
“ “ “ Bright's disease.....	228
“ “ “ Cancer	344
“ “ “ Disease of heart.....	476
“ “ “ Sun and heat stroke...	105
“ “ “ Pernicious anaemia...	11
“ “ “ Appendicitis.....	25
“ “ “ Illuminating gas.....	13
“ “ “ Accidents	177
“ “ “ Cerebro-spinal fever...	32

TOTAL NUMBER OF DEATHS FROM ABNORMAL CONDITIONS CONNECTED WITH
PARTURITION.

Puerperal fever.....	7
“ convulsions.....	6
“ peritonitis.....	20
“ septicaemia.....	26
Child-birth.....	26
Abortion.....	2
Hemorrhage post-partum.....	2
“ placenta praevia.....	4
Total mortality under five years of age.....	3,728
Percentage to total mortality.....	37.58
Total mortality from diarrhoeal diseases under five years..	526
“ “ “ “ “ all ages.....	981

DEATHS IN PUBLIC INSTITUTIONS.

Baltimore City Jail	4
Penitentiary.....	17
Hospitals and asylums.....	1,124
	<hr/>
Total.....	1,145
Deaths reported by Coroners, including inquests.....	792
Total autopsies.....	80
Bodies received at City Morgue.....	346

V. BURGESS HINES.

Secretary Board of Health.

TABLE I.

SHOWING THE NUMBER OF CASES REPORTED, AND MORTALITY, FROM THE PRINCIPLE ZYMOTIC DISEASES DURING THE YEARS 1894 AND 1895 COMPARED WITH 1896, WITH PERCENTAGE OF DEATHS TO CASES REPORTED IN EACH YEAR.

DISEASES.	1894.				1895.				1896.			
	(CASES REPORTED	DEATHS REPORTED	IN 1894.	ACCOUNT OF DEATHS 1894.	(CASES REPORTED	DEATHS REPORTED	IN 1895.	ACCOUNT OF DEATHS 1895.	CASES REPORTED	DEATHS REPORTED	IN 1896.	ACCOUNT OF DEATHS 1896.
Diphtheria.....	267	198	\$74 15	371	265	\$71 42	480	249	\$51 87	4 46	12 65	2 69
Scarlet fever.....	989	85	8 50	775	59	7 61	694	31	4 46	12 65	2 69	2 94
Croup.....	142	33	23 23	258	45	17 44	173	32	12 65	2 69	2 94	2 94
Measles.....	98	3	3 06	2,332	68	2 91	1,002	27	2 69	2 94	2 94	2 94
Varicella.....	18	1	1 88	40	1	1 88	68	2	2 94	2 94	2 94	2 94
Whooping cough.....	320	112	35 00	171	68	39 76	266	87	32 87	32 87	32 87	32 87
Mumps.....	80	1	1 25	62	2	3 22	73	1	1 36	1 36	1 36	1 36
Typhoid fever.....	.....	222	.....	*260	173	66 53	472	188	39 83	39 83	39 83	39 83
Consumption.....	.....	1,106	.....	.....	1,141	.....	.....	1,122	.....	.....	.....	.....
Pneumonia.....	.....	790	.....	.....	933	.....	.....	884	.....	.....	.....	.....
Cholera infantum.....	.....	440	.....	.....	510	.....	.....	412	.....	.....	.....	.....

* Compulsory reporting of typhoid fever went into effect July 1, 1895.

Mortality under 5 years of age.	1894.	1895.	1896.	Percentage to total mortality.
.....	3,761	4,026	3,728	39.64
.....	.....	.....	.....	39.08
.....	.....	.....	.....	37.53

TABLE II.

SHOWING NUMBER OF DWELLINGS, POPULATION, WHITE AND COLORED, TOTAL
NUMBER OF DEATHS, AND DEATH RATE PER 1,000 IN
EACH WARD FOR THE YEAR 1896.

WARDS.	Dwellings.	POPULATION.			Total Number of Deaths.	Death Rate per 1,000 in Each Ward and To- tal Population.
		White.	Colored.	Total.		
First.....	5,813	24,471	526	24,997	500	20.83
Second.....	2,511	16,169	390	16,559	466	29.12
Third.....	2,770	14,837	2,448	17,285	335	19.11
Fourth.....	2,821	13,836	2,665	16,501	294	18.37
Fifth.....	2,864	13,711	3,822	17,533	302	17.76
Sixth.....	8,811	28,631	3,792	32,423	824	25.75
Seventh.....	9,717	30,689	1,546	32,235	514	16.06
Eighth.....	6,318	23,668	2,827	26,495	516	19.86
Ninth.....	2,154	16,074	2,644	18,718	540	30.00
Tenth.....	2,654	13,505	4,268	17,773	300	17.64
Eleventh.....	3,821	10,797	12,701	23,498	478	20.78
Twelfth.....	7,198	22,332	4,910	27,242	602	22.29
Thirteenth.....	2,571	14,117	2,661	16,778	331	20.68
Fourteenth.....	3,402	16,471	2,801	19,272	408	21.26
Fifteenth.....	2,392	12,638	4,598	17,236	321	18.88
Sixteenth.....	2,533	11,344	5,057	16,401	242	15.12
Seventeenth.....	5,894	27,414	652	28,066	617	22.03
Eighteenth.....	6,796	26,155	3,805	29,960	607	20.93
Nineteenth.....	5,611	23,590	5,371	28,961	533	19.03
Twentieth.....	4,871	19,975	4,837	24,812	345	14.37
Twenty-first.....	6,725	21,658	768	22,426	328	14.90
Twenty-second.....	8,753	28,972	2,255	31,227	516	16.64
	107,000	431,054	75,344	506,398	9,919	19.60

[illegible]

TABLE III—Continued.

CAUSES OF DEATH.	JAN.	FEB.	MAR.	APRIL	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	T'ls.
Cholera infantum.							211	118	32	16	1	.....	412
" morbus.				3	5	26	8	2	2	2	.....	2	22
Caries of vertebrae.				4	.....	.....	.....	.....	1	.....	1	.....	2
Chlorosis. ....									.....	1	1	.....	2
Consumption of kidney. ....									.....	.....	.....	1	1
Caries of foot. ....									.....	.....	.....	1	1
Cancer of stomach.	5	4	6	7	9	4	9	15	5	13	6	12	95
" rectum.	2	1	.....	.....	1	.....	.....	2	1	1	.....	2	10
" liver.	1	4	1	3	3	1	3	2	1	1	9	3	32
" face.	1	1	1	.....	.....	1	.....	.....	.....	1	.....	1	6
" bladder.	1	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	3
" breast.	3	3	5	6	3	5	1	3	3	6	1	5	44
" uterus.	4	5	6	9	3	7	9	1	4	7	5	9	69
" thorax.	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
" pylorus.	1	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	3
" throat.	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1	3
" jaw.	1	.....	.....	1	.....	.....	.....	2	.....	.....	.....	.....	3
" duodenum. ....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
" colon. ....	.....	1	.....	.....	.....	1	1	.....	.....	.....	.....	.....	3
" ovarian. ....	.....	1	.....	.....	1	.....	.....	.....	1	.....	.....	.....	3
" of hand. ....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
" cervix. ....	.....	2	.....	.....	.....	.....	1	.....	1	.....	.....	.....	1
" oesophagus. ....	.....	1	.....	.....	1	.....	.....	.....	.....	1	2	.....	4
" ear. ....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
" kidney. ....	.....	.....	1	1	.....	1	1	1	.....	.....	.....	.....	5
" testicle. ....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	2
" tongue. ....	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	1	4
" neck. ....	.....	.....	.....	1	.....	1	.....	.....	2	.....	1	1	6
" nose. ....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	.....	.....	2

Cancer diffused	2	1	1	1	1	4
" of peritoneum		1				1
" pelvis		1				1
" pancreas		1			1	1
" mesentery						3
" spleen						1
" leg			2			1
" mouth			2			3
" shoulder		1				3
" optic nerves			1			4
" thyroid gland			1			2
" scapula			1			1
" eye				1		1
" knee				1	1	2
" bowels				1		1
" head					1	4
" low jaw					2	1
" scalp						2
" brain						1
" larynx						1
" maxillary						1

11.

Dentition.....	6	6	6	12	1	2	2	18	5	3	3	2	4	68
Diabetes.....	3	3	6	3	5	2	2	4	2	3	2	6	5	44
Diphtheria.....	20	23	17	19	16	17	17	8	10	20	24	31	44	249
Disease of heart.....	59	40	24	43	32	28	28	52	29	44	49	28	48	476
Dropsy, general.....	3	5	3	1	2	3	3	2	1	.....	6	5	4	35
" cardiac.....	.....	1	.....	.....	1	1	1	.....	.....	1	.....	1	.....	5
" abdominal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1
Drowned.....	1	1	.....	9	3	6	6	10	13	6	5	4	2	60
Dysentery.....	3	3	2	.....	2	3	3	30	13	9	13	4	.....	82
Debility.....	.....	1	.....	1	1	.....	.....	.....	1	.....	1	.....	.....	5
Diarrhoea.....	.....	2	2	3	4	14	14	40	19	16	12	1	.....	113

TABLE III—Continued.

CAUSES OF DEATH.	JAN.	FEB.	MAR.	APRIL	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	TOT'L
Disease of hip joint.....			1										1
" " liver.....						1							1
Delirium tremens.....							1				1		2
Duodenitis.....												1	1
E.													
Epilepsy.....	1		2		1		1	1	2	1			9
Endocarditis.....	5	8	5	5	10	10	4	2	1	4	4	5	63
Erysipelas.....	4	1	2	3	5	2	1			1	1	2	22
Enterocolitis.....	2		4	2	2	11	50	22	18	13	7	3	134
Exophthalmia.....	1												1
Embolism.....	1	1	1	1	1		1	1			1	1	9
Electric shock.....	1	1		1	1		1				1		6
Epistaxis.....			1					1					2
Elephantiasis.....			1										1
Eczema.....					1	1	1		1	1			5
Exophthalmic goitre.....												1	1
F.													
Fever, malarial.....	1	2	1		1	3	3	3	3	5	1	2	25
" scarlet.....	2	2	3	3	4	3	3		1	4	1	5	31
" typhoid.....	7	11	4	11	11	13	19	23	29	28	22	10	188
" puerperal.....		1		1			1	1		1	2		7
" remittent.....		2				2		2	2	5	1	3	17
" intermittent.....			1	1		1	1		1	6	1		12
" typho-malarial.....			1	1		1	2	3	5	2		1	16
Fracture of femur.....	2		1	1	1		1						6

Fracture of skull.....	3	2	5	2	1	1	8	1	2	1	1	1	26
" " vertebrae.....	2				1		1				1	1	5
" " ribs.....					1								1
" " pelvis.....					2		1						3
" " leg.....							1						1
" " tibia.....									1				1
" " humerus.....									1				1
G.													
Gangrene of leg.....	1		3				1						5
" " toe.....	1												1
" " scinle.....		2		1			3	1	2	1		3	15
" " foot.....		1											1
Gastroenteritis.....		4	4	4	2	2	9	33	36	16	13	2	126
Gout.....					1		1			1			2
Gall-stones.....							1	1	2	1	1		6
Goitre.....										1			1
H.													
Hernia.....	1	1	3							1		4	6
" " strangulated.....	1				3				1	1	2		12
" " umbilical.....							1						1
Hemorrhage post-partum	1							1					2
" " of lungs.....	1	2	2	2	1	1	3	1		2	2	1	17
" " uterus.....	1				1								2
" " navel.....		3	1	2				1	1	2	1	1	11
" " brain.....		4	2	7	9		5	1	5	2	10	2	49
" " stomach.....				2					1				5
Hydrocephalus.....	1	2		2			6	3			4	5	25
Haematemesis.....			1										1
Hysterectomy.....					1						1		2
Hyperemesis.....									1				1
Haemoptysis.....										1			1

TABLE III—Continued.

CAUSES OF DEATH.	JAN.	FEB.	MAR.	APRIL	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	T'LS.
I.													
Inanition.....	23	15	18	21	5	9	16	16	17	18	9	13	180
Indigestion.....	.....	1	1	4	2	1	.....	.....	1	.....	.....	1	11
Inflammation of brain....	4	1	1	1	1	2	3	2	1	1	3	3	23
“ “ bladder....	2	4	3	2	2	.....	.....	1	2	1	1	3	21
“ “ bowels....	2	4	6	7	1	2	.....	.....	9	7	5	4	92
“ “ stomach....	6	7	11	10	17	11	29	16	9	15	4	7	118
“ “ bronchi....	36	30	23	27	17	11	12	9	9	15	28	24	253
“ “ kidneys....	34	17	11	37	20	24	33	13	15	32	23	26	300
“ “ larynx....	4	1	3	1	.....	.....	1	19	24	2	1	3	18
“ “ liver....	1	.....	1	1	.....	.....	2	.....	.....	3	3	1	12
Inflammation of peritonaeum.....	14	7	3	4	10	3	4	7	7	6	4	3	72
Inflammation of pleura....	3	3	1	5	1	1	4	.....	.....	4	.....	2	24
“ “ tonsils....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	2
Inflammation of pericardium.....	.....	1	1	1	1	2	3	4	1	2	.....	.....	16
Influenza.....	5	10	18	21	3	1	.....	.....	1	.....	1	.....	60
Intussusception.....	2	1	.....	1	.....	1	.....	.....	.....	2	.....	.....	7
Insanity.....	.....	1	.....	.....	1	.....	.....	.....	1	2	.....	.....	5
Ischuria.....	.....	1	.....	.....	1	.....	.....	1	1	.....	.....	.....	4
Intemperance.....	.....	1	3	6	1	1	2	1	1	7	3	2	27
Ichorrhœmia.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
J.													
Jaundice.....	1	2	.....	5	1	.....	4	1	3	1	.....	.....	18

L.	5	4	2	3	2	2	1	.....	4	.....	23
Laparotomy.....											6
Leucæmia.....	1	1	.....	1	1	.....	1	.....	2	.....	2
Lymphadenoma.....				1	.....	.....	1	.....	.....	.....
M.											
Myelitis.....	1	.....	.....	.....	1	.....	1	.....	1	.....	6
Multiple Neuritis.....	1	1	.....	.....	.....	.....	.....	1	1	.....	4
Myocarditis.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Marasmus.....	13	22	11	17	20	31	72	41	54	40	340
Measles.....	8	11	3	2	1	.....	1	.....	1	.....	27
Meningitis.....	16	18	4	18	15	15	27	19	20	14	187
“ tubercular.....	7	6	6	6	6	4	8	2	5	9	67
“ cerebro-spinal.....	1	7	2	4	2	2	7	3	2	2	32
Murder.....	2	1	.....	.....	.....	1	1	2	1	.....	8
Mumps.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Miscarriage.....	.....	2	.....	1	1	.....	1	.....	.....	.....	1
Malformation.....	.....	.....	.....	1	.....	2	.....	.....	.....	.....	5
Mutilated by rats.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	3
Menorrhagia.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
N.											
Neurasthenia.....	1	1	.....	2	.....	1	.....	2	.....	.....	7
Noma.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
O.											
Ophthalmia.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Old age.....	26	22	24	35	24	18	27	18	26	27	300
Ovariotomy.....	1	2	.....	1	1	.....	.....	.....	1	1	7
Oedema of lungs.....	.....	.....	.....	1	.....	.....	.....	1	1	.....	4
Otitis.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1

TABLE III—Continued.

CAUSES OF DEATH.	JAN.	FEB.	MAR.	APRIL	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	T'LS.
P.													
Paralysis.....	19	19	13	17	14	16	20	20	17	18	22	23	218
Pneumonia.....	109	128	96	98	43	34	28	16	20	43	65	95	775
" broncho.....	11	19	12	2	4	3	1	1	2	7	7	2	71
" pleuro.....	2	2	4	6	2	.....	2	1	.....	2	2	1	24
" typhoid.....	.....	2	2	1	1	.....	.....	1	.....	2	3	2	14
Poison.....	1	.....	1	2	.....	1	.....	.....	1	4	1	1	12
Premature birth.....	8	23	21	14	17	14	20	12	13	17	11	15	185
Puerperal peritonitis.....	3	3	1	6	1	1	1	1	1	.....	1	1	20
" septicaemia.....	2	3	3	3	1	1	1	.....	2	2	3	5	26
" mania.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Purpura haemorrhagica.....	2	.....	.....	.....	1	.....	.....	.....	2	.....	.....	1	6
Prostatitis.....	1	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	3
Pyosalpinx.....	1	.....	1	.....	.....	.....	.....	.....	.....	1	.....	1	4
Prolonged labor.....	.....	1	1	.....	2	2	.....	2	4	.....	1	1	14
Pott's disease.....	.....	3	.....	.....	.....	.....	1	1	.....	.....	.....	.....	5
Pyæmia.....	.....	2	.....	.....	.....	.....	.....	1	.....	2	.....	1	7
Progressive locomotor ataxia.....	.....	.....	2	1	.....	2	1	.....	2	3	.....	4	15
Placenta prævia.....	.....	.....	.....	1	.....	.....	2	1	.....	.....	.....	.....	4
Pregnancy extra uterine.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Pyelitis.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....	.....	2
Pemphigus.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	1	2
Papilloma of larynx.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Pyonephrosis.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Pylephlebitis.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	2
Phlegmasia dolens.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	1

[illegible]

TABLE III—Concluded.

CAUSES OF DEATH.	JAN.	FEB.	MAR.	APRIL	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	T'LS.
T.													
Tetanus.....	2							3		1	5	1	12
Trismus nascentium.....	6	5	1	3	4	3	5	2	4	7	4	1	45
Tumor ovarian.....	2	1			1						1	1	6
" cerebral.....	2			3	1		1				1		8
" of stomach.....		1											1
" " chest.....			1										1
" " liver.....			1										1
" abdominal.....			1	1	1				1				1
" laryngeal.....						1				1			1
" uterine.....									1	1			2
Tabes mesenterica.....				1		3		2					6
Thrombosis.....						1							1
U.													
Uraemia.....	2	5	2	1	2		5		2	2	8	4	33
Ulcer of stomach.....	1		1	1	1	1			2	2		1	10
" " bladder.....		1											1
" " liver.....		1											1
" " bowels.....					1			1				1	3
" " leg.....								1					1
Unknown.....	1	3	3	4	3	3	7	1	9	6	6	3	49
V.													
Varicella.....			1								1		2
Vomiting in pregnancy.....					1								1

W.

Whooping cough	5	7	10	5	7	7	16	9	4	12	...	5	87
Wounds by cars	5	2	2	5	3	2	5	6	2	10	2	2	46
" " fall	6	6	4	4	4	7	6	4	9	5	4	5	64
" " gunshot	1	1	...	...	...	...	...	...	1	...	...	...	3
" " pistol-shot	1	3	...	...	...	1	...	...	1	...	1	1	8
" crushed .....	...	...	1	1	...	1	2	1	...	1	...	...	7
" internal .....	...	...	...	...	...	...	1	...	...	...	...	...	1
" by stab .....	...	...	...	3	...	...	...	...	...	...	1	...	4
Worms .....	...	...	...	...	...	...	...	1	...	...	...	...	1

TABLE V.

SHOWING TOTAL DEATHS AND DEATHS FROM ZYMOTIC DISEASES FOR 22 YEARS, WITH PERCENTAGE, FROM 1875 TO 1896, INCLUSIVE.

	1875.	1876.	1877.	1878.	1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.
Total deaths exclusive of still births.....	7,258	7,498	7,910	6,733	7,618	8,043	8,816	8,923	9,380	8,035	8,153	8,339	8,244	8,936	9,365	10,198	10,073	10,582	9,554	9,486	10,301	9,919
Death rate.....	22.33	22.38	22.60	18.44	19.30	20.41	22.37	21.81	22.93	20.27	19.55	19.98	19.16	17.87	17.40	22.41	22.14	23.25	20.99	20.84	20.76	19.60
Still births.....	560	588	538	655	620	636	651	677	701	746	650	718	669	694	784	800	811	813	770	721	666	678
Rate of still births to 1,000 inhabitants.....	1.70	1.75	1.53	1.79	1.57	1.61	1.65	1.71	1.71	1.82	1.59	1.72	1.60	1.63	1.84	1.75	1.78	1.78	1.69	1.58	1.34	1.33
DEATHS FROM ZYMOTIC DISEASES.																						
Diphtheria and croup.....	238	249	557	452	384	476	881	929	792	470	400	318	302	216	206	319	394	428	210	231	310	281
Fever, scarlet.....	519	562	447	141	80	400	215	179	334	104	68	32	36	44	71	42	128	258	36	85	59	31
" typhoid.....	187	176	201	175	367	196	197	165	126	151	155	150	156	161	191	247	150	193	224	222	173	188
" cerebro-spinal.....	53	25	17	26	1	26	37	38	42	20	24	24	19	22	18	31	18	38	59	26	27	32
Whooping cough.....	78	39	303	63	80	148	93	43	59	120	63	91	98	112	54	100	103	32	60	112	68	87
Measles.....	15	43	151	11	43	12	75	71	130	228	16	201	85	176	11	248	16	120	39	3	68	27
Small-pox.....	1			1	1	1	11	551	633	1		1										
Total zymotic diseases.....	1,091	1,094	1,676	869	956	1,259	1,509	1,976	2,116	1,094	726	817	696	731	551	987	809	1,069	628	679	705	646
Percentage of zymotic deaths to total mortality.....	15.03	14.59	21.18	12.90	12.53	15.65	17.11	22.14	22.25	13.61	8.90	9.78	8.44	8.18	5.88	9.67	8.03	10.10	6.57	7.15	6.84	6.51



TABLE VI.

AGES.	MONTHS.												TOTALS.
	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	
Under 1 year.....	167	203	151	179	141	189	515	306	219	207	118	170	2,565
Between 1 and 2 years.....	62	66	44	42	36	24	98	77	55	55	34	40	633
“ 2 “ 3 “.....	57	60	36	49	44	36	50	27	27	56	46	42	530
Total under 5 years.....	286	329	231	270	221	249	663	410	301	318	198	252	3,728
Between 5 and 10 years.....	26	31	23	26	29	21	19	11	22	25	20	23	276
“ 10 “ 15 “.....	17	12	7	12	13	14	14	19	12	17	6	14	157
“ 15 “ 20 “.....	27	31	25	22	17	14	24	29	22	32	21	31	295
“ 20 “ 30 “.....	82	79	62	67	67	36	88	71	79	68	59	73	831
“ 30 “ 40 “.....	72	83	55	76	54	55	72	70	65	75	64	87	828
“ 40 “ 50 “.....	72	71	66	62	53	55	74	78	64	69	57	83	804
“ 50 “ 60 “.....	83	71	70	80	58	65	90	66	60	91	55	92	881
“ 60 “ 70 “.....	76	98	75	120	67	73	96	66	52	82	65	88	958
“ 70 “ 80 “.....	71	85	56	81	54	41	69	73	63	66	61	71	791
“ 80 “ 90 “.....	29	25	29	35	23	22	16	24	23	33	27	37	323
“ 90 “ 100 “.....	6	2	3	6	1	2	3	5	4	3	1	6	42
“ 100 “ 110 “.....	1	.....	.....	.....	1	.....	1	.....	.....	.....	.....	1	4
Above 110 years.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Totals.....	848	917	703	857	658	647	1,229	922	767	879	634	858	9,919

TABLE VI.—Concluded.

NATIVITY.	NATIVITY.											
	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
United States—White males,.....	265	268	213	251	186	190	452	300	238	266	178	260
" females,.....	261	239	184	242	197	181	358	280	227	258	181	237
Foreign—White males,.....	80	95	51	66	53	52	85	88	68	93	65	93
" females,.....	55	86	65	82	63	44	66	73	59	79	58	81
Colored males,.....	96	104	102	121	64	83	127	94	95	95	73	86
" females,.....	91	125	88	95	95	97	141	87	80	88	79	101
Totals,.....	848	917	703	857	658	647	1,229	922	767	879	634	858
Still births,.....	70	42	54	50	63	59	69	39	34	65	56	77
Marriages,.....	327	287	298	287	346	458	423	384	384	423	503	414
Births reported,.....	872	692	706	673	645	617	851	641	716	685	721	975
Totals,.....	3,067	2,845	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889

Population estimated by police census, 506,398; white, 431,054; colored, 75,344; total, 506,398. Total mortality during the year—United States, white, 5,912; foreign, 1,700; colored, 2,307; total, 9,919. Annual death rate per 1,000, whole population, 19.60; white, 17.66; colored, 30.76. Total births reported, 8,794; birth rate per 1,000 population, ———. Total marriages, 4,534; marriage rate per 1,000 population, 8.960. Total still births, 678.

TABLE VII.

BIRTHS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.	TOTALS.
White males.....	384	291	307	312	274	255	359	266	304	288	304	418	3,762
" females.....	366	285	299	268	282	249	360	278	305	293	321	427	3,733
Total	750	576	606	580	556	504	719	544	609	581	625	845	7,495
Colored males.....	65	57	49	41	37	57	63	50	44	53	45	72	633
" females.....	57	59	51	52	52	56	69	47	63	51	51	58	666
Total.....	122	116	100	93	89	113	132	97	107	104	96	130	1,299
Total births reported.....	872	692	706	673	645	617	851	641	716	685	721	975	8,794

TABLE VIII.
TOTAL NUMBER OF DEATHS MONTHLY IN EACH WARD.

WARDS.	JAN.	FEB.	MAR.	APRIL	MAY.	JUNE.	JULY.	AUG.	SEPT.	OCT.	NOV.	DEC.	T'LS.
First	42	55	18	36	27	30	74	59	44	41	29	45	500
Second	21	44	27	27	15	23	75	68	49	44	34	39	466
Third	25	26	19	25	19	28	46	36	28	29	22	32	335
Fourth	19	27	25	33	22	19	30	25	19	25	18	32	294
Fifth	22	24	26	27	23	26	33	33	20	31	18	22	302
Sixth	72	59	49	59	65	55	121	68	71	86	57	62	824
Seventh	44	50	46	36	42	32	64	37	40	51	31	41	514
Eighth	40	57	36	58	34	28	61	41	29	43	44	45	516
Ninth	52	48	57	56	30	38	40	51	39	50	41	38	540
Tenth	29	34	17	19	26	26	35	25	23	17	17	32	300
Eleventh	36	41	40	36	36	34	64	40	41	44	33	33	478
Twelfth	59	55	28	64	36	44	86	46	43	56	28	57	602
Thirteenth	41	35	27	28	30	34	30	34	17	29	17	19	331
Fourteenth	41	36	25	35	26	24	39	36	34	38	34	40	408
Fifteenth	39	40	26	32	17	19	34	19	25	29	15	26	321
Sixteenth	26	21	21	20	21	10	26	16	17	8	26	30	242
Seventeenth	51	69	46	50	37	33	83	64	48	51	35	50	617
Eighteenth	54	46	40	43	41	47	68	78	43	56	34	57	607
Nineteenth	43	44	52	52	44	43	68	32	42	41	26	46	533
Twentieth	34	35	30	31	22	22	36	22	33	27	20	33	345
Twenty-first	24	31	20	34	12	18	47	36	23	30	16	37	328
Twenty-second	34	40	28	56	33	24	69	59	39	53	39	42	516
Totals	848	917	703	857	658	647	1,229	922	767	879	634	858	9,919

V. BURGESS HINES, *Secretary Board of Health.*

TABLE IX.

SALARY ACCOUNT FOR THE YEAR 1896. APPROPRIATION, \$39,458.32.

<i>Dr.</i>		<i>Cr.</i>	
To 12 warrants on Comptroller.....	\$39,243 43	By voucher 1—January	\$3,072 42
		“ “ February	2,874 91
		“ “ March.....	4,369 56
		“ “ April	2,716 59
		“ “ May.....	2,716 59
		“ “ June.....	4,291 78
		“ “ July.....	2,591 59
		“ “ August.....	2,716 59
		“ “ September.....	4,191 78
		“ “ October.....	2,716 59
		“ “ November	2,716 59
		“ “ December	4,268 44
To 12 warrants on Comptroller.....	\$39,243 43		
To unexpended balance.....	214 89	By unexpended balance	214 89
	<u>\$39,458 32</u>		<u>\$39,458 32</u>

V. BURGESS HINES, Secretary Board of Health.

TABLE X.

SALARY ACCOUNT FOR POST-MORTEM MEDICAL EXAMINATIONS FOR 1896. APPROPRIATION, \$1,500.

	<i>Dr.</i>	<i>Cr.</i>
To 24 warrants on Comptroller.....	\$1,500 00	
	<hr/>	
	\$1,500 00	
	<hr/>	
By 12 vouchers—N. G. Keirle, M.D.,.....		\$1,000 00
“ 12 “ J. B. Schwatka, M.D.,.....		500 00
		<hr/>
		\$1,500 00

V. BURGESS HINES, *Secretary Board of Health.*

HEALTH DEPARTMENT.

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<i>Dr.</i>		<i>Cr.</i>
To 507 warrants on Comptroller	\$16,789 18	
		By 26 vouchers—
		Expenses of Morgue.....\$ 525 95
		Postage stamps and cards..... 385 00
		Rental of telephones, etc..... 366 10
		Clothes for patients..... 80 29
		Watchman at dumps..... 780 00
		Sulphur for fumigation... 31 72
		Supt Public Cemeteries.. 1,710 65
		Interments, etc..... 2,327 00
		Coffins..... 1,628 25
		Carbol. acid for disinfect't. 217 23
		Labor and hauling..... 419 34
		Office expenses..... 128 30
		Expense City Hall Annex. 1,407 33
		Expense of laboratories.. 2,908 98
		Prof. Tonnry, use of lab'y. 279 25
		Livery, shoeing, etc..... 742 40
		Repairs on wagons..... 251 25
		Rent of house, disinfect't. 144 00
		Shell lime..... 42 00
		Vaccine virus..... 888 50
		Typewriter and material.. 95 55
		Printing annual reports... 180 33
		Sundry small bills..... 349 31
		Collecting carrion, Annex. 504 00
		Expenses on water-shed.. 98 71
		Extra postage..... 83 41
		Subscriptions and adver'g. 111 93
		Removing night soil, etc.. 102 40
To 507 warrants on Comptroller	\$16,789 18	
To deficiency.....	3,789 18	
		\$13,000 00

TABLE XII.

QUARANTINE HOSPITAL ACCOUNT FOR 1896. APPROPRIATION, \$17,000.

<i>Dr.</i>		<i>Cr.</i>
To 131 warrants on Comptroller.....	\$20,520 89	
		By 12 Vouchers--Pay Rolls.....
		“ 1 “ Insurance.....
		“ 5 “ Feed, etc.....
		“ 7 “ Seeds and farm imple- ments.....
		“ 3 “ Medicine.....
		“ 3 “ Subscriptions and adver- tising.....
		“ 6 “ Housefurnishing.....
		“ 15 “ Tug <i>Anna Belle</i>
		“ 16 “ Repairs on tug <i>Hygeia</i>
		“ 13 “ Machine supplies.....
		“ 13 “ Coal for tug <i>Hygeia</i>
		“ 0 “ “ hospital.....
		“ 12 “ Market supplies.....
		“ 12 “ Groceries.....
		“ 9 “ Ice for hospital.....
		“ 3 “ Clothing for patients.....
		“ 1 “ Flags for hospital.....
		By 131 vouchers.....
To 131 warrants on Comptroller.....	\$20,520 89	\$20,520 89
“ deficiency.....	3,520 89	3,520 89
		<hr/>
		\$17,000 00

V. BURGESS HINES, Secretary Board of Health.

TABLE XIII.

ACCOUNT FOR THE REMOVAL OF FILTH FROM DOCKS FOR 1896. APPROPRIATION, \$2,500.

<i>Dr.</i>		<i>Cr.</i>	
To 2 warrants on Comptroller.....	\$ 130 75	By 1 voucher—James F. McShane, M.D.....	\$ 31 75
		“ 1 “ James F. McShane, M.D.....	99 00
To amount transferred to Harbor Board....	2,369 25	“ unexpended balance transferred to Harbor Board.....	2,369 25
	<u>\$2,500 00</u>		<u>\$2,500 00</u>

V. BURGESS HINES, *Secretary Board of Health.*

TABLE XIV.

ACCOUNT FOR THE REMOVAL OF REFUSE FROM PACKING-HOUSES FOR 1896. APPROPRIATION, \$5,000.

<i>Dr.</i>		<i>Cr.</i>	
To 2 warrants on Comptroller	\$5,000 00	By 1 voucher—M. W. Adams.....	\$2,916 67
		“ 1 “ M. W. Adams.....	2,083 33
	<hr/>		<hr/>
	\$5,000 00		\$5,000 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE XV.

NUISANCE AND SEWER ACCOUNT FOR THE YEAR 1896. APPROPRIATION, \$63 63 FOR DEFICIENCY 1895.

<i>Dr.</i>		<i>Cr.</i>	
To 2 warrants on Comptroller.....	\$63 63	By 1 voucher—Henry Paff.....	\$29 98
		“ 1 “ Mark F. Gorman.....	33 65
	<u>\$63 63</u>		<u>\$63 63</u>

V. BURGESS HINES, *Secretary Board of Health.*

TABLE XVI.

NUISANCE AND SEWER ACCOUNT FOR CITY ANNEK DEFICIENCY 1895. APPROPRIATION, \$727.50.

<i>Dr.</i>		<i>Cr.</i>	
To 2 warrants on Comptroller.....	\$727 50	By 1 voucher—Geo. Rinchart.....	\$363 75
		“ 1 “ Geo. E. Brown.....	363 75
	<u>\$727 50</u>		<u>\$727 50</u>

V. BURGESS HINES, *Secretary Board of Health.*

TABLE XVII.

SALARY ACCOUNT CITY ANNEX FOR 1896. APPROPRIATION, \$3,800.

<i>Dr.</i>		<i>Cr.</i>	
To 12 warrants on Comptroller.....	\$3,119 87	By 1 voucher—January, V. B. Hines....	\$266 64
		“ 1 “ February, V. B. Hines....	253 31
		“ 1 “ March, V. B. Hines.....	350 01
		“ 1 “ April, V. B. Hines.....	199 98
		“ 1 “ May, V. B. Hines.....	199 98
		“ 1 “ June, V. B. Hines.....	350 01
		“ 1 “ July, V. B. Hines.....	199 98
		“ 1 “ August, V. B. Hines.....	199 98
		“ 1 “ September, V. B. Hines...	350 01
		“ 1 “ October,.....	199 98
		“ 1 “ November.....	199 98
		“ 1 “ December.....	350 01
<hr/>		<hr/>	
To 12 warrants on Comptroller.....	\$3,119 87		\$3,119 87
To unexpended balance.....	680 13	By unexpended balance.....	680 13
		<hr/>	
			\$3,800 00

V. BURGESS HINES, *Secretary Board of Health.*

TABLE XVIII.

STATEMENT OF APPROPRIATIONS TO, EXPENDITURES BY, AND UNEXPENDED
BALANCES AND DEFICIENCIES OF THE HEALTH DEPARTMENT
FOR THE YEAR 1896.

<i>Appropriations.</i>	
Salaries.....	\$39,458 32
General health.....	13,000 00
Quarantine Hospital.....	17,000 00
Post-mortem Medical Examiners.....	1,500 00
Removing filth from docks.....	2,500 00
Removal of canning-house refuse.....	5,000 00
Nuisance and sewers, 1895.....	63 63

<i>Expenditures.</i>	
Salaries.....	39,243 43
General health.....	16,789 18
Quarantine Hospital.....	20,520 89
Post-mortem Medical Examiners.....	1,500 00
Removal of filth from docks.....	130 75
Removal of canning-house refuse.....	5,000 00
Nuisance and sewers, 1895.....	63 63

<i>Unexpended Balances.</i>	
Salaries ..	214 89
Removal of filth from docks.....	2,369 25

<i>Deficiencies.</i>	
General health.....	3,789 18
Quarantine Hospital.....	3,520 89

CITY ANNEX.

<i>Appropriations.</i>	
Salaries.....	3,800 00
Nuisances for 1895.....	727 50

<i>Expenditures.</i>	
Salaries.....	3,119 87
Nuisance and sewers, 1895.....	727 50

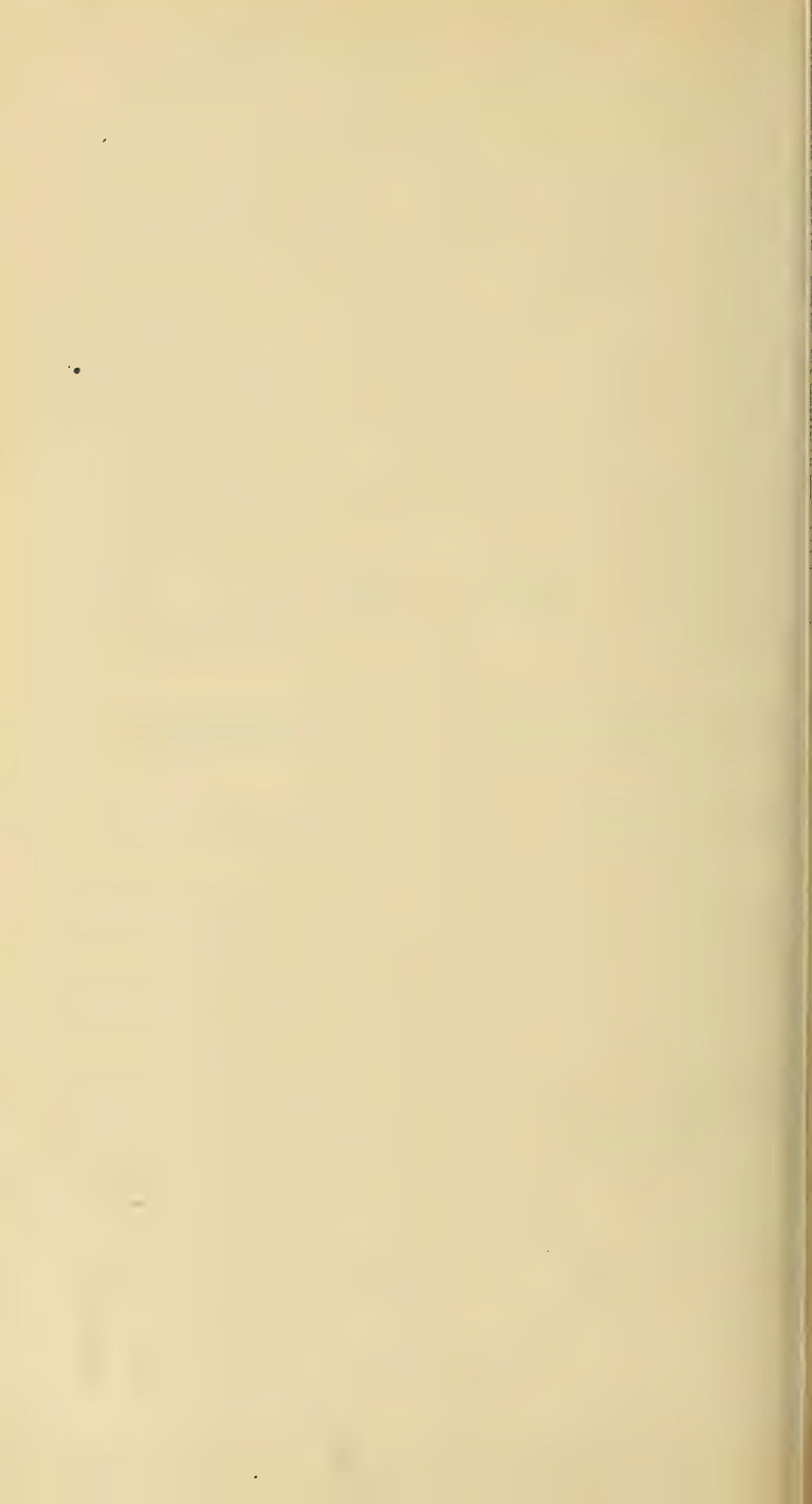
<i>Unexpended Balance.</i>	
Salaries ..	680 13

V. BURGESS HINES, *Secretary Board of Health.*

REPORT

OF THE

Assistant Commissioner of Health.



REPORT.

BALTIMORE, January 2, 1897.

James F. McShane, M.D., Commissioner of Health :

SIR: I respectfully submit the following report, with tables annexed, of the work performed by the Health Department for the year ending December 31, 1896.

It will be seen by Table A, that fourteen thousand one hundred and thirty-six notices to abate nuisances have been issued, an increase of two thousand four hundred and thirty-six as compared with the preceding year.

Eleven thousand eight hundred and four mattresses were taken from immigrant steamships and destroyed under the supervision of this department.

The work of the Sanitary Inspectors has been thorough and efficient. Ready and willing to respond to the many calls made upon them, and their duties being frequently of such a character to call for the exercise of judgment and caution, they are to be congratulated upon the fact that no difficulties have been encountered which might have given rise to possible legal complications.

Attention is called to the insanitary condition of many alleys, both paved and unpaved, with which the department has to contend. Improperly graded and paved, they allow of accumulations of house drainage to collect in pools, and thus give rise to very offensive nuisances. Every effort has been put forth by the department to abate the nuisances caused by the imperfect methods and material used in paving, but notwithstanding these efforts there is a constant recurrence of the nuisances. I would suggest the passage of an ordinance requiring the substitution of some smoother material than cobblestones.

The department has had some difficulty in inducing owners of private drains to maintain them in a proper condition of repair, and would suggest an amendment to the present ordinances in relation to this subject by making the obdurate individuals who resist or neglect to comply with the notices of the department subject to a greater penalty than now imposed.

One of the most frequent sources of nuisance is the joint privy well, and the difficulties with which the department has to contend in relation to them could be obviated by the enactment of a prohibitory ordinance. In connection with this subject, your attention is also called to the fact that numerous so-called wells are being constructed in new buildings. These wells are in reality only holes in the ground, or so shallow that they do not answer the purpose for which they are intended, as they rapidly fill from the large quantity of water that is carried into them from interior water-closets, thus requiring frequent notification to clean, which causes constant friction or is partly overcome by tapping a public sewer for the relief of the overflow. As this is only a mitigation of the evil produced by this method of imperfect construction, would suggest the enactment of an ordinance regulating the method and construction of privy wells. Manure pits are a frequent source of complaint, and would suggest the enactment of regulations regarding their construction. Means should be provided also for regulating the drainage from stables, and making it compulsory for all owners of stables to prevent the flow of liquid matter into the streets and alleys.

The work of the vaccine physicians is given in detail in Table D.

Thirteen thousand seven hundred and fifty-nine vaccinations were made, an increase of seven hundred and sixty-nine over the year 1895. The vaccine physicians made twenty-eight thousand three hundred and seventy-seven calls. Their work was performed in an efficient and satisfactory manner.

Twenty-eight tons of carbolate of lime was manufactured by the department, and a large percentage of it was distributed by the Street Cleaning Department.

Table E shows the amount of night-soil delivered at the respective dumps.

The thanks of the department are extended to the Police Department for valuable aid and assistance in enforcing the laws.

To you personally I wish to express my thanks for your many acts of courtesy during the past year.

Respectfully, your obedient servant,

HIRAM L. SPICER, M.D.,

Assistant Commissioner of Health.

TABLES.

TABLE A.

NUMBER OF NUISANCES EXAMINED AND ABATED BY SANITARY INSPECTORS
DURING THE YEAR 1896.

Alleys cleaned.....	527
“ repaired.....	1,267
“ paved.....	390
Premises cleaned.....	102
Vacant lots drained, filled and cleaned.....	245
Manure pits constructed.....	74
“ reconstructed and repaired.....	28
“ cleaned.....	51
Drain-pipes reconstructed and repaired.....	244
“ cleaned.....	21
“ laid.....	412
Yards cleaned.....	211
“ drained.....	194
“ repaired.....	208
“ paved.....	20
Privies inspected and ordered cleaned.....	3,494
“ reconstructed.....	418
“ ventilated.....	19
Water-closets repaired and ventilated.....	111
Excavating apparatuses inspected.....	78
Cellars drained and filled.....	151
“ cleaned.....	62
Slaughter-houses inspected.....	28
Stables reconstructed and cleaned.....	89
Water-pipes and hydrants repaired.....	115
Gutters repaired.....	112
Rain-spouts reconstructed.....	51
Grass and weeds removed from gutters.....	65
Ice-ponds examined and permits granted.....	10
“ “ “ “ refused.....	2
Tenements ordered cleaned and whitewashed.....	20
Samples of water collected for analysis.....	42
Number of cases of infectious diseases examined.....	3,310
Causes of death examined.....	3
Steamships examined.....	82
Mattresses destroyed from steamships.....	11,804
Scow-loads of refuse, etc., removed from steamships and destroyed..	40
Sweat-shops examined.....	31
Complaints examined and no nuisance found to exist.....	462
Miscellaneous.....	818
Number of premises disinfected.....	729

TABLE B.

NUMBER OF NOTICES, ORDERS, ETC., ISSUED FROM THE HEALTH DEPARTMENT AND NUMBER OF OFFICIAL LETTERS WRITTEN AND RECEIVED DURING THE YEAR 1896.

Number of notices issued to clean privies	44,053
“ “ “ “ “ clean, repair, repave and pave yards...	957
“ “ “ “ “ bail, drain or fill cellars	994
“ “ “ “ “ grade, pave and repair alleys.....	2,182
“ “ “ “ “ drain or fill lots.....	873
“ “ “ “ “ reconstruct and ventilate water closets and privies.....	756
Number of notices issued to clean grass and weeds from gutters, etc.	906
“ “ “ “ “ “ and properly construct manure pits.....	746
Number of notices issued to repair hydrants and water-pipes.....	502
“ “ “ “ “ clean and reconstruct stables.....	464
“ “ “ “ “ construct proper drainage, repair drain- pipes	634
Number of notices issued to disinfect premises.....	171
“ “ “ “ “ reconstruct and repair defective plumb- ing	527
Number of miscellaneous notices	232
Total	53,997
Number of permits issued to clean privies by day.....	70,012
“ “ “ “ “ “ “ at night.....	172
Total	70,184
Number of official letters written.....	1,011
“ “ “ “ received.....	957
“ “ legal proceedings instituted for non-compliance with notices.....	39

TABLE C.

SHOWING THE AMOUNT OF NIGHT SOIL DELIVERED AT FOLEY'S AND WINAN'S
DUMPS FOR THE YEAR ENDING DECEMBER 31, 1896.

FOLEY'S WHARF, CANTON.	NUMBER OF LOADS.	NUMBER OF GALLONS.	WINAN'S WHARF, SPRING GARDENS.	NUMBER OF LOADS.	NUMBER OF GALLONS.
January	816	163,200	January	5,351	1,070,200
February	713	142,600	February	3,576	715,200
March	2,591	518,200	March	9,413	1,882,600
April	3,046	609,200	April	10,316	2,063,200
May	2,237	447,400	May	8,904	1,780,800
June	1,532	306,400	June	6,367	1,273,400
July	744	148,800	July	6,891	1,378,200
August	796	159,200	August	6,719	1,343,800
September	312	62,400	September	5,653	1,130,600
October	211	42,200	October	4,862	972,400
November	271	54,200	November	3,986	797,200
December	242	48,400	December	3,572	714,400
	13,511	2,702,200		75,610	15,122,000

Total number of loads delivered at both dumps..... 89,121
 " " " gallons " " " " 17,824,200

TABLE D.—REPORT OF THE VACCINE PHYSICIANS FOR THE YEAR ENDING DECEMBER 31, 1896.

WARDS.	PHYSICIANS, OR RESIDENCES.	NUMBER OF CALLS.	NUMBER OF VACCINATIONS.	PRIMARY.	SECONDARY.	SUCCESSFUL.	FAILED.	NOT HEARD FROM.	MALES.	FEMALES.	WHITE.	COLORED.	RE-VACCINATIONS.	CERTIFICATES OF VACCINATIONS (GIVEN).
1st	Chas. S. Neer	1,049	535	401	134	.....	.....	535	285	250	256	279	..	593
2d	John H. Rehberger, 1709 Aliceanna st.	1,152	757	556	201	166	53	538	471	286	658	99	..	758
3d	Wm. H. Hughes, 1523 E. Baltimore st.	1,065	374	351	23	204	56	114	186	188	300	74	..	240
4th	Jacob H. Mithiek, 309 N. Exeter st.	1,388	384	383	1	258	91	35	203	181	332	52	..	417
5th	Arthur Wegelarth, 805 Aisquith st.	1,272	510	457	53	500	10	.....	274	236	290	220	..	215
6th	Samuel T. Roeder, 1904 E. Fayette st.	2,631	910	899	11	563	19	328	440	470	784	126	..	2
7th	G. Henry Chabot, 1111 E. Preston st.	2,097	683	565	118	587	4	92	344	339	501	182	..	851
8th	Henry F. Cassidy, 702 Greenmount ave.	1,200	259	227	32	.....	.....	259	125	134	197	62	..	953
9th	Morris C. Robbins, 1344 Druid Hill ave.	376	144	96	48	97	10	37	47	97	34	110	..	1
10th	August Horn, 697 W. Mulberry st.	1,300	746	184	562	187	.....	559	322	424	203	543	..	453
11th	E. Lambert Yourex 1138 Druid Hill ave.	2,324	1,793	891	902	396	52	1,345	1,009	784	604	1,189	..	1,775
12th	Thos. P. McCormick 1421 Eutaw Place,	1,492	402	343	59	287	69	46	179	223	138	264	30	80
13th	William Wolf, 945 W. Fayette st.	542	249	110	139	223	25	1	91	158	160	89	..	181
14th	John G. Jeffers, 1143 W. Franklin st.	213	71	33	38	25	4	42	17	54	55	16	..	35
15th	Henry H. Imhofe, 622 Hanover st.	822	455	373	82	43	25	387	168	287	240	215	..	271
16th	Joseph Blum, 1816 Madison ave.	720	576	270	306	240	125	211	332	244	202	374	..	562
17th	Henry Stark, 1722 Druid Hill Ave.	3,300	2,050	1,910	140	1,575	25	450	1,306	744	1,965	85	..	2,370
18th	Harry Boyd, 677 Columbia ave.	1,510	864	549	315	311	52	501	448	416	689	175	..	629
19th	Jno. W. Linthicum 1327 W. Fayette st.	545	269	222	47	.....	.....	269	117	152	189	80	..	313
20th	Paul F. De Ford, 707 N. Gilmer st.	446	446	403	43	.....	.....	446	204	242	178	268	..	382
21st	Morris Shanks, Union and Druid Hill ayes	1,606	632	515	117	.....	.....	632	339	293	575	57	..	375
22d	H. G. Prentiss, 809 Gorsuch ave.	1,327	650	401	249	68	27	555	308	342	375	275	..	472
		28,377	13,759	10,139	3,620	5,730	647	7,382	7,215	6,544	8,925	4,834	30	11,928

Transcripts from the Births and Deaths.

TABLE E.

TRANSCRIPTS FROM THE BIRTHS AND DEATHS FOR THE YEAR ENDING
DECEMBER 31, 1896.

From the Records of Deaths.

For pension claims.....	447
“ life insurance claims.....	716
To prove death.....	121
“ be sent to foreign countries.....	56
Total:.....	1,340

From the Records of Births.

For pension claims.....	159
To be sent to foreign countries.....	31
Total.....	190

REPORT OF THE CHEMIST.

REPORT UPON THE CHEMICAL LABORATORY OF THE
HEALTH DEPARTMENT FOR THE FISCAL YEAR
ENDING DECEMBER 31, 1896.

Dr. James F. McShane, Commissioner of Health :

DEAR SIR : The year 1896 marks an epoch in the history of the Health Department of our city; your long-cherished hopes and increasing efforts have been realized during that year by the addition to your department of well-equipped chemical and bacteriological laboratories, and you may look back with just pride upon the departed year as perhaps the most successful one during your long and able administration, and the citizens of Baltimore will no doubt recognize the wisdom which has been exercised by His Honor Mayor Hooper and yourself in giving the Health Department such additional valuable means of protecting the public health.

My report covers a period of ten months, since my appointment as chemist to the Board of Health only dates from March 1, 1896. Until the completion of the city laboratory the chemical work was performed under many disadvantages at a private laboratory, but on the 1st of July, 1896, your chemist was able to remove to the laboratory of the Health Department, which for the purpose is second to none in this country.

I.—MILK.

1.—*Work Accomplished.*

During the ten months of 1896 the two milk inspectors, under the supervision of your chemist, examined 18,684 lots of milk (see Table No. 1), aggregating 161,766 gallons, and 712 lots of adulterated milk, with a total of 3,692 gallons were spilled. The daily reports will show that during that time 337 complete milk analyses were made, besides about 100 partial examinations of samples delivered to or procured by your chemist. The quantity of milk spilled shows a marked improvement as compared with the figures for the

previous year (1895)—less than one-half. In order to ascertain whether this improvement is due to a more conscientious action among the shippers of and dealers in milk, or whether we have to look for other causes, your chemist begs leave to make a few remarks on this subject.

The only available means of ascertaining the purity of milk on the spot, and without waiting for the chemical analysis, is the lactometer, which instrument registers precisely the specific gravity of milk. Quoting from a paper lately issued by Dr. Lederle, the able chemist to the New York Board of Health:

“The reading of the lactometer, of course, simply means specific gravity; but it has been found by large experience, besides the specific gravity, other valuable data may be obtained by the *intelligent* use of the instrument. The manner in which a creamy sample adheres to the bulb of the lactometer and the absence of this adhesion in the case of a skimmed sample; the peculiar bluish color of adulterated milk, as shown by the dark background of the shot in the bulb, are very important items in judging a sample of milk. Without this intelligent observation the lactometer is of no value. Commercial milk—the milk as it comes into the city in five or eight gallon cans, and representing the milk of a number of cows—has an average lactometric standing of 108° at 60° Fahrenheit. The removal of cream increases the specific gravity and hence the lactometric standing, and we find skim milk standing 118 to 123, and at the same time it is bluish and runs from the glass without leaving a greasy film. The addition of water reduces the specific gravity and consequently the lactometric standing. A sample of commercial milk, which at 60° Fahrenheit has a lactometric standing of less than 100, is adulterated milk, and has been adulterated by the addition of water and perhaps the removal of cream, depending on the appearance, etc. A sample of milk having a lactometric standing above 100 may be pure milk, skim milk, or watered and skimmed milk.”

After receiving your instructions on the second of last March as to my duties as Chemist to the Board of Health, you introduced to me the two milk inspectors, whom I found to be intelligent gentlemen and well-fitted for the position, but to my great surprise their intelligence and ability outside of the simple learning how to read the lactometer and

to spill according to such reading had never been brought into service and was never allowed to be exercised. They had no knowledge of the fact that the lactometer without intelligent observation is of no value. The consequences are obvious without saying any more, and your chemist lost no time to remedy the existing conditions.

2.—*Quality of Milk.*

The legal standard of milk as fixed by a city ordinance is, that milk sold, offered or kept for sale shall have a specific gravity of not less than 1.029 at 60° Fahrenheit, not less than 12 per cent. total solids, of which not less than 3 per cent. shall be butter-fat. This standard agrees with the laws governing the sale of milk in quite a number of States—New York, Maine, New Jersey, etc.—whilst with other States the standard is higher, the law requiring as much as 13 per cent. total solids and 3½ per cent. fat—New Hampshire, Massachusetts, Minnesota, etc. Whether the standard could be raised for Baltimore is a matter of consideration. Leaving aside for the present the question of milk from improperly-fed or poorly-attended cows, we know that dealing with pure milk the individuality of the cow and the breed considerably influences the quality of the milk. Statistics recently published in America places the average of 238 analyses of milk from Jersey stock with 15.40 per cent. total solids and 5.61 per cent. butter-fat at the head of the list, and the average of 132 analyses from Holstein-Friesian stock with 12.39 per cent. total solids and 3.46 per cent. fat at the bottom of the list of the different breeds of cattle. Your chemist was not in position so far to get dates as to the several breeds of cattle, the milk from which reaches our market; but in order to form an opinion as to the character and quality of the milk consumed by our citizens, some forty samples of milk considered good and pure have been procured from the several railroad depots and analyzed (see Table No. 2). The extreme limits for total solids were 12.23 per cent. and 16.33 per cent., and for the butter-fat 13.14 per cent. and 4.90 per cent. Average figure of the forty samples: Total solids, 14.23 per cent. and 4.13 per cent. fat. This would clearly show that if the shippers of and dealers in milk would at all times give the public an unadulterated article the standard could readily be increased from 12 per cent. to 13 per cent. total solids and from 3 per cent. to 3½ per cent. fat.

3.—*Impure and Adulterated Milk.*

The principal adulteration of the milk condemned and spilled was by addition of water, the removal of cream (skimming), or both water and skimming. The addition of water is perhaps the most serious fraud, and not only because it reduces the nutritive value of this important food, but the addition of impure water from a polluted well may introduce pathogenic germs into the milk.

Outside of this much-practiced adulteration by watering and skimming, very little milk was condemned during the year, and it is gratifying to note that the shippers and dealers exercise due care as to cleanliness in handling milk. Only in five or six cases had milk to be spilled on account of being "dirty."

In but two cases milk was artificially colored; in one other case preservatives were employed, and "bloody" milk was condemned in three cases. On October 5 the microscopic examination revealed the presence of pus in a twenty-gallon lot of suspected milk delivered at one of the depots. The milk was promptly spilled and the case referred to the bacteriological laboratory for closer investigation. It is outside the scope of this report to comment upon the prompt and effective action which you took to dispose of this matter.

4.—*Microscopic Examination of Milk.*

For the daily inspections of milk at depots, from delivery wagons or dairies, the microscope offers no assistance, except in cases where milk is already under suspicion. Neither the eye of the inspector during the discharge of his duties or the lactometer will discover pathogenic germs or other microscopic impurities, and since the milk supply cannot be detained an unreasonable time, milk otherwise in a normal condition cannot be examined microscopically. That milk is a propagator of disease, and that typhus, diphtheria, consumption, scarlet fever, etc., which are caused by germ-life, are often disseminated in this way, we know that this subject belongs to the bacteriological department.

5.—*Arrests.*

But three arrests have been made during the ten months of 1896. In each of these cases the parties in whose possession the milk was found were the owners of the cattle from which the milk came, and consequently solely responsible for its adulterated condition. It is to be regretted that the laws which regulate the sale of milk in the city do not reach the shipper except as to spilling the impure article when

discovered at the depot. As the inspectors can only inspect the same depots on an average twice a week, the dealer will accept the impure milk from his shipper in good faith, risking to be fined twenty dollars and costs when he may be innocent of any wrong-doing.

Stables and Sanitary Condition of Storage Places of Milk.

Thanks to your consideration, the Chemical Department has been relieved from the inspection of cow-stables within the city limits and from inspection of localities where milk is handled and sold.

II.—WATER.

1.—*Quality of Water Supply.*

A total of 88 complete water analyses were made by your chemist since March 1, 1896. The city water supply was systematically dealt with by making weekly analyses from samples taken from hydrants or house-taps from all parts of the city, and independent of samples received by your sanitary inspectors (see Table No. 3). The average from 40 samples thus analyzed expressed in "parts per million" gave: Volatile solids, 36.2; mineral solids, 48.0; total solids, 84.2; chlorine, 6.28; free ammonia, 0.043; albumenoid ammonia, 0.080; nitrogen from nitrates, 0.129; nitrogen from nitrites, none. Judging from what constitutes the standard for good potable water, the water supply of the City of Baltimore has been chemically throughout the year good and satisfactory and considerably above the normal in quality. The unpleasant (fishy) taste, which has been a source of annoyance to the public during the months of November and December, whilst no doubt very disagreeable, was in itself perfectly harmless from a sanitary standpoint. It was caused by the decomposition of vegetable micro-organisms (algae and diatoms). Very little rain fell during November and December, and in consequence our reservoirs and water-sheds were very much reduced in depth of water. If the muddy bottoms or the slopes of storage reservoirs or water-sheds are permitted to remain exposed to the rays of the sun and to air vegetation will develop in such quantity as to greatly affect the taste when the exposed surface is again submerged.

2.—*Defective Service.*

In five instances analyses of samples of hydrant water show dangerous pollution caused by sewage and stable matter entering leaky service pipes.

3.—*Pumps.*

Samples from nineteen pumps were analyzed, of which fourteen showed sufficient contamination to pronounce the water unfit for potable purposes. Five samples furnished good potable water.

4.—*Streams.*

The analyses of three small streams from different localities in the Annex, used for watering cattle, proved that the water was badly polluted.

Catonsville Supply.

The Catonsville water supply reaching the western Annex was found to be considerably contaminated at one time during the summer, but a second sample analyzed some time later showed that the causes of contamination had been removed.

III.—MISCELLANEOUS ANALYSES.

1.—*Coloring Matters.*

During 1896 your chemist reported analyses of twenty-six samples of coloring compounds and dyes largely employed by the bakers and confectioners for coloring ice cream, candies and cakes. Most of the coloring material used proved to be aniline compounds (phenyl dyes), and in quite a number of cases metallic oxides (70 per cent. to 80 per cent. oxide of tin) were found to be present.

Since within the last ten years the employment of harmless vegetable coloring matters has been almost universally superseded by the use of aniline compounds, many of them with mineral bases, the practice of using artificial coloring compounds for above purpose ought to be prohibited.

2.—*Food Products.*

Several analyses have been made of samples of cakes and buns; three of oleomargarine, and a number of investigations of meats, almond pastes, egg substitutes, etc.

Thanking you for the courteous treatment which you extended to me and the ever readiness to aid me in and facilitate my duties, I remain

Yours very respectfully,

G. W. LEHMANN, PH.D.,
Chemist to the Board of Health.

TABLES.

TABLE No. 1.
TOTAL AMOUNT OF MILK EXAMINED AND SPILLED.

1896.	EXAMINED.		SPILLED.	
	Lots.	Gallons.	Lots.	Gallons.
March	1,721	10,589	57	323
April.	1,746	11,243	60	316
May.	1,918	11,840	25	111
June.	1,918	13,024	55	290
July.	2,059	13,490	101	491
August.	1,933	17,930	64	306
September	1,956	21,321	115	566
October.	1,926	21,836	87	469
November.	1,630	19,315	67	361
December.	1,877	21,149	81	459
	18,684	161,737	712	3,692

G. W. LEHMANN, PH.D.,

Chemist Board of Health.

TABLE No. 2.

ANALYSES OF 40 SAMPLES OF MILK DELIVERED AT RAILROAD STATIONS AND
CONSIDERED GOOD UNADULTERATED MILK.

1896.	TOTAL SOLIDS.	FAT.	1896.	TOTAL SOLIDS.	FAT.
March	14.10	4.21	August	14.26	3.92
"	13.20	3.86	"	13.10	3.81
"	12.98	3.94	"	16.33	4.83
"	16.20	4.90	"	14.05	3.60
April	15.14	4.62	September	12.23	3.96
"	14.12	3.95	"	13.43	3.81
"	13.68	4.05	"	14.56	4.36
"	12.92	3.82	"	14.10	4.25
May	13.26	4.16	October	13.64	3.40
"	16.04	4.33	"	12.91	3.80
"	15.90	3.62	"	14.45	4.10
"	15.45	3.68	"	15.76	3.98
June	16.00	4.18	November	12.84	3.68
"	15.21	3.57	"	13.76	4.11
"	13.55	4.72	"	13.98	3.14
"	13.20	4.54	"	13.83	3.63
July	14.14	4.06	December	14.76	4.26
"	14.22	4.14	"	14.45	4.39
"	12.92	3.89	"	14.76	3.79
"	13.60	4.80	"	13.04	3.60
Average of 40 samples.....				14.23	4.13

G. W. LEHMANN, PH.D.,

Chemist Board of Health.

TABLE No. 3.

MONTHLY AVERAGES FROM FORTY SAMPLES OF WATER TAKEN WEEKLY FROM HYDRANTS AND TAPS FROM ALL PARTS OF THE CITY, EXPRESSED IN PARTS PER MILLION.

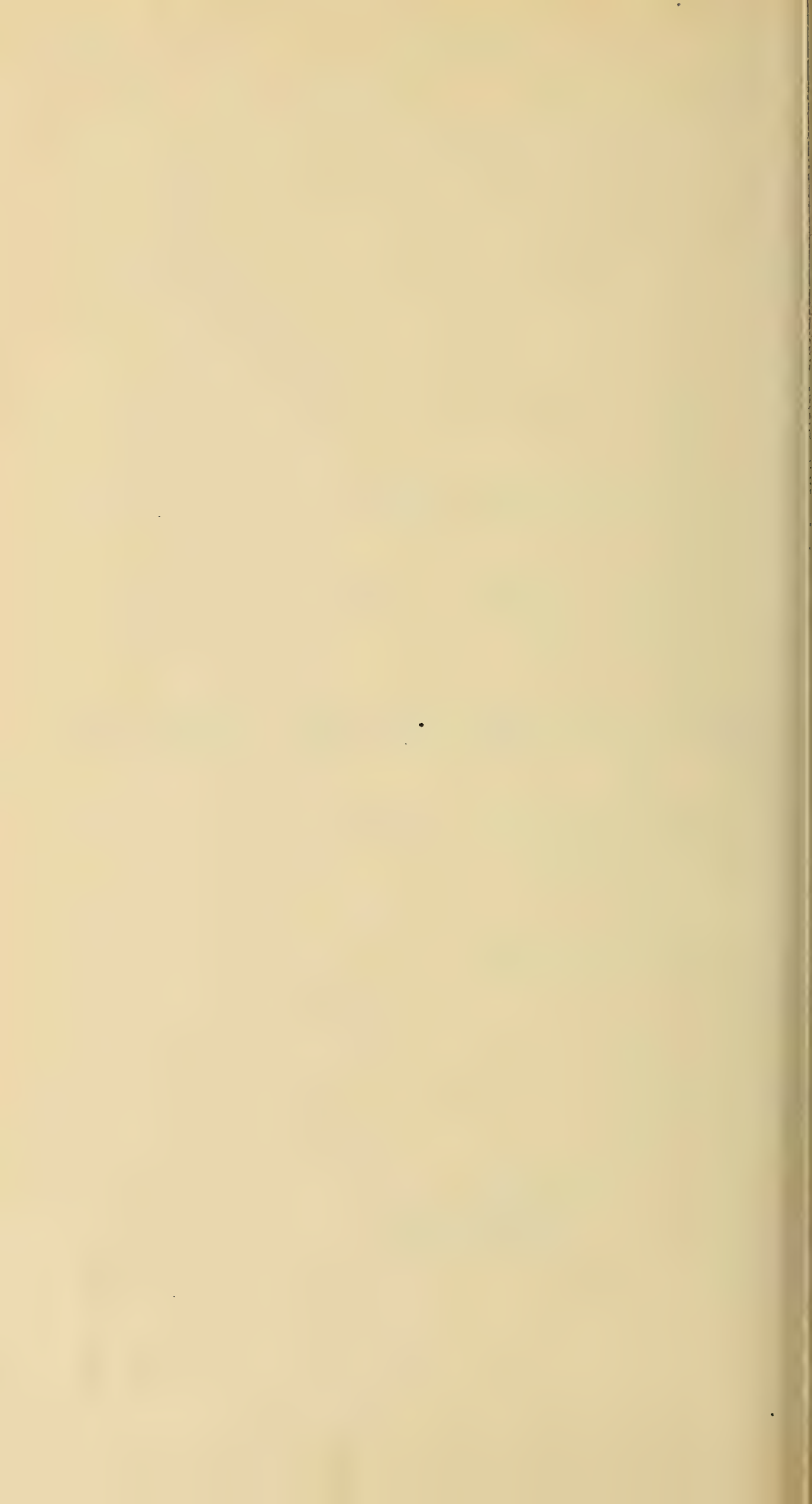
1896.	VOLATILE SOLIDS.	MINERAL SOLIDS.	TOTAL SOLIDS.	CHLORINE.	FREE AMMONIA.	ALBUMENOID AMMONIA.	NITRATES.	NITRITES.
March	41	39	80	8.80	0.04	0.09	0.05	0.00
April	36	40	76	7.10	0.03	0.10	0.04	0.00
May	37	45	82	8.50	0.01	0.18	0.42	0.00
June	32	69	101	6.39	0.09	0.14	0.05	0.00
July	34	61	95	5.20	0.03	0.08	0.14	0.00
August	33	59	92	4.90	0.04	0.05	0.05	0.00
September	36	51	87	5.10	0.08	0.06	0.09	0.00
October	45	31	76	7.14	0.07	0.05	0.02	0.00
November	30	52	82	5.11	0.02	0.05	0.19	0.00
December	38	33	71	4.57	0.02	0.04	0.24	0.00
Average for year ..	36.2	48	84.2	6.28	0.043	0.080	0.129	0.00

G. W. LEHMANN, PH.D., *Chemist Board of Health.*

REPORT

OF THE

INSPECTOR OF PLUMBING.



REPORT.

BALTIMORE, December 31, 1896.

James F. McShane, M.D.,

President of Board of Health and Commissioner of Health :

SIR: I have the honor to submit the following report of work performed by me as Inspector of Plumbing for the year ending December 31, 1896.

The tables annexed will show in detail the number of permits issued and inspections made.

In conformity with the requirements of Section 7 of the ordinance regulating the work of plumbing, I most respectfully inform you that fines to the amount of twenty dollars and ten cents were imposed for violations.

Respectfully,

JAMES D. STIDHAM,

Inspector of Plumbing.

December 31, 1896.

James F. McShane, M.D.,

President of Board of Health and Commissioner of Health :

SIR : I have the honor to submit the following report of work performed by me as Inspector of Plumbing for the year ending December 31, 1896:

Number of permits issued for plumbing.....	2,197	
“ “ “ “ “ drain-pipes	387	
		<u>2,584</u>
Number of inspections of plumbing.....	2,728	
“ “ “ “ “ drain-pipes	431	
		<u>3,159</u>
Number of registered plumbers in the city.....	337	

Respectfully,

JAMES D. STIDHAM,

Inspector of Plumbing.

TABLES.

TABLE I.

PLANS RECEIVED AND PERMITS GRANTED FOR PLUMBING AND DRAIN WORK
DURING THE YEAR ENDING DECEMBER 31, 1896.

MONTHS.	PLUMBING WORK.	DRAIN-PIPES.	TOTALS.
January.....	103	12	115
February.....	177	13	190
March.....	167	8	175
April.....	210	23	233
May.....	212	46	258
June.....	301	59	360
July.....	197	41	238
August.....	157	43	200
September.....	151	14	165
October.....	198	64	262
November.....	137	46	183
December.....	187	18	205
Total.....	2,197	387	2,584

TABLE II.

NUMBER OF INSPECTIONS OF PLUMBING AND DRAIN WORK FOR THE YEAR
ENDING DECEMBER 31, 1896.

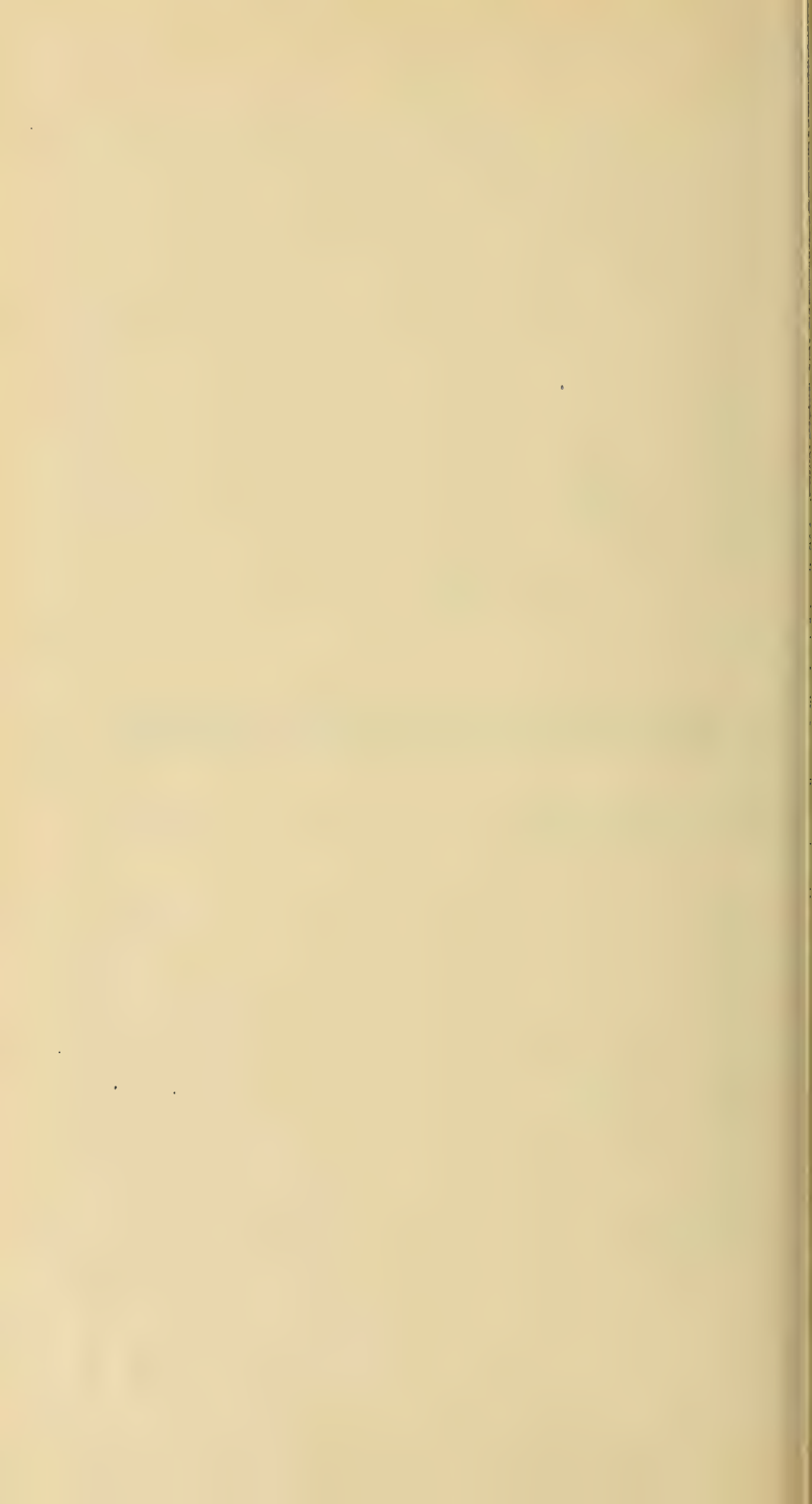
MONTHS.	INSPECTIONS OF PLUMBING.	INSPECTIONS OF DRAINS.	TOTALS.
January.....	133	36	169
February.....	186	13	199
March.....	181	28	209
April.....	283	23	306
May.....	268	46	314
June.....	294	59	353
July.....	307	41	348
August.....	268	43	311
September.....	165	14	179
October.....	203	64	267
November.....	187	46	233
December.....	253	18	271
Total.....	2,728	431	3,159

JAMES D. STIDHAM, *Inspector of Plumbing.*

REPORT

OF THE

Quarantine Hospital of the Port of Baltimore.



REPORT.

QUARANTINE HOSPITAL,
PORT OF BALTIMORE, January 1, 1897.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: I have the honor to herewith submit the report of the Quarantine Hospital for the year ending December 31, 1896:

It again becomes my duty to call your attention to the condition of the Old Quarantine. Since the opening of the new station the old place has been under the supervision of the Quarantine Physician. Nothing in the way of repairs has been made. The buildings are in a most delapidated condition, and the wharf attached is completely gone. If this place is to be retained as a hospital for the reception of contagious diseases from the city, it should be inspected by a committee from your honorable body and put in a condition for such service. If, on the other hand, it should be deemed impracticable to make the necessary improvements, I would then earnestly recommend that it be taken from under the supervision of the Quarantine Physician; the old brick hospital torn down, to prevent possible contagion, and the property disposed of as your honorable body may think best. The four old barracks built in 1882, with a kitchen attached, have been burned by order of His Honor the Mayor.

The additional duties imposed upon this service by the government of boarding all foreign vessels the year round, which went into effect the 15th of January last, will necessitate the service of another boat during the winter months; thus far one has been hired. I would earnestly suggest that an appropriation for the purchase of a boat large enough to stand the heavy seas and ice of the lower river be made as soon as possible, and thereby save a considerable expense. The wharf has been extended, giving a safe harbor for two

boats. The launch that has been used during the summer will no longer be required and can be sold.

Eight hundred and fifty-seven vessels have been boarded and inspected during the year (see Table I), and from these vessels we have collected and paid into the city treasury the sum of \$11,847.54 (see Table II). The Register's report shows the receipts to have been \$11,957.46, making a difference of \$109.92, which is the amount of the collections for December, 1895, which was not included in his report for that year.

Table III shows the number and class of vessels with sickness on board, or from infected ports, detained at Quarantine for cleansing and disinfection. There were seven in all.

By referring to Table IV you will find that only five patients were treated at this hospital during the year, three taken from vessels and two brought from the city.

The cost of maintaining the Quarantine and Old Hospital for the year was \$20,520.89, as more fully shown by the Health Commissioner's report. The appropriation was \$17,000, which makes a deficiency of \$3,520.89, which is just the cost of hiring the extra boat.

In conclusion, I beg leave to return my thanks to Dr. A. W. Smith for his intelligent assistance, and to say that the employes of the place have performed their duties in a manner deserving the highest praise.

Very respectfully, your obedient servant,

SIDNEY O. HEISKELL, M.D.,

Quarantine Physician.

TABLES.

TABLE I.

SHOWING THE NUMBER AND CLASS OF VESSELS INSPECTED AT QUARANTINE
FOR THE YEAR ENDING DECEMBER 31, 1896.

MONTHS.	CLASS OF VESSELS.					TOTAL.
	Steamships.	Ships.	Barks.	Brigs.	Schooners.	
January	33	.....	3	.....	1	37
February	50	.....	1	1	1	53
March.	50	.....	2	.....	3	55
April.	40	.....	5	.....	1	46
May.	46	.....	2	.....	27	75
June	55	.....	3	.....	52	110
July	56	1	5	.....	34	96
August	63	.....	4	.....	19	86
September	61	.....	6	.....	19	86
October	59	.....	3	1	11	74
November.	46	.....	5	2	5	58
December	78	.....	1	.....	2	81
Total.	637	1	40	4	175	857

TABLE II.

SHOWING THE AMOUNT OF MONEY COLLECTED FOR QUARANTINE FEES AND PAID TO THE CITY REGISTER FOR THE YEAR ENDING DECEMBER 31, 1896.

MONTHS.	CLASS OF VESSELS.					TOTAL.
	Steamships.	Ships.	Barks.	Brigs.	Schooners.	
January	\$ 580 76	.....	\$18 34	.....	\$ 2 00	\$ 601 10
February	858 27	.....	17 16	\$2 00	2 00	879 43
March	856 36	.....	17 03	.....	6 78	880 71
April	698 11	.....	36 41	.....	2 00	736 52
May	751 32	.....	12 73	.....	104 11	868 16
June	829 46	.....	19 12	.....	164 80	1,013 38
July	963 24	\$13 08	21 75	.....	143 59	1,141 66
August	1,091 53	.....	29 41	.....	91 00	1,211 94
September	1,049 01	.....	33 67	.....	90 00	1,172 68
October	1,018 43	.....	19 70	2 00	76 54	1,116 67
November	801 80	.....	28 97	6 11	19 30	856 18
December	1,352 89	.....	11 25	.....	4 97	1,369 11
Total	\$10,851 18	\$13 08	\$265 54	\$10 11	\$707 09	\$11,847 54

TABLE III.

SHOWING THE NUMBER AND CLASS OF VESSELS DETAINED AT QUARANTINE
FOR CLEANSING AND DISINFECTION FOR THE YEAR
ENDING DECEMBER 31, 1896.

MONTHS.	CLASS OF VESSELS.					TOTAL.
	Steamships.	Ships.	Barks.	Brigs.	Schooners.	
January.....					1	1
February.....						
March.....	2					2
April.....	1					1
May.....			1			1
June.....	1					1
July.....						
August.....						
September.....						
October.....	1					1
November.....						
December.....						
Total.....	5		1		1	6

TABLE IV.

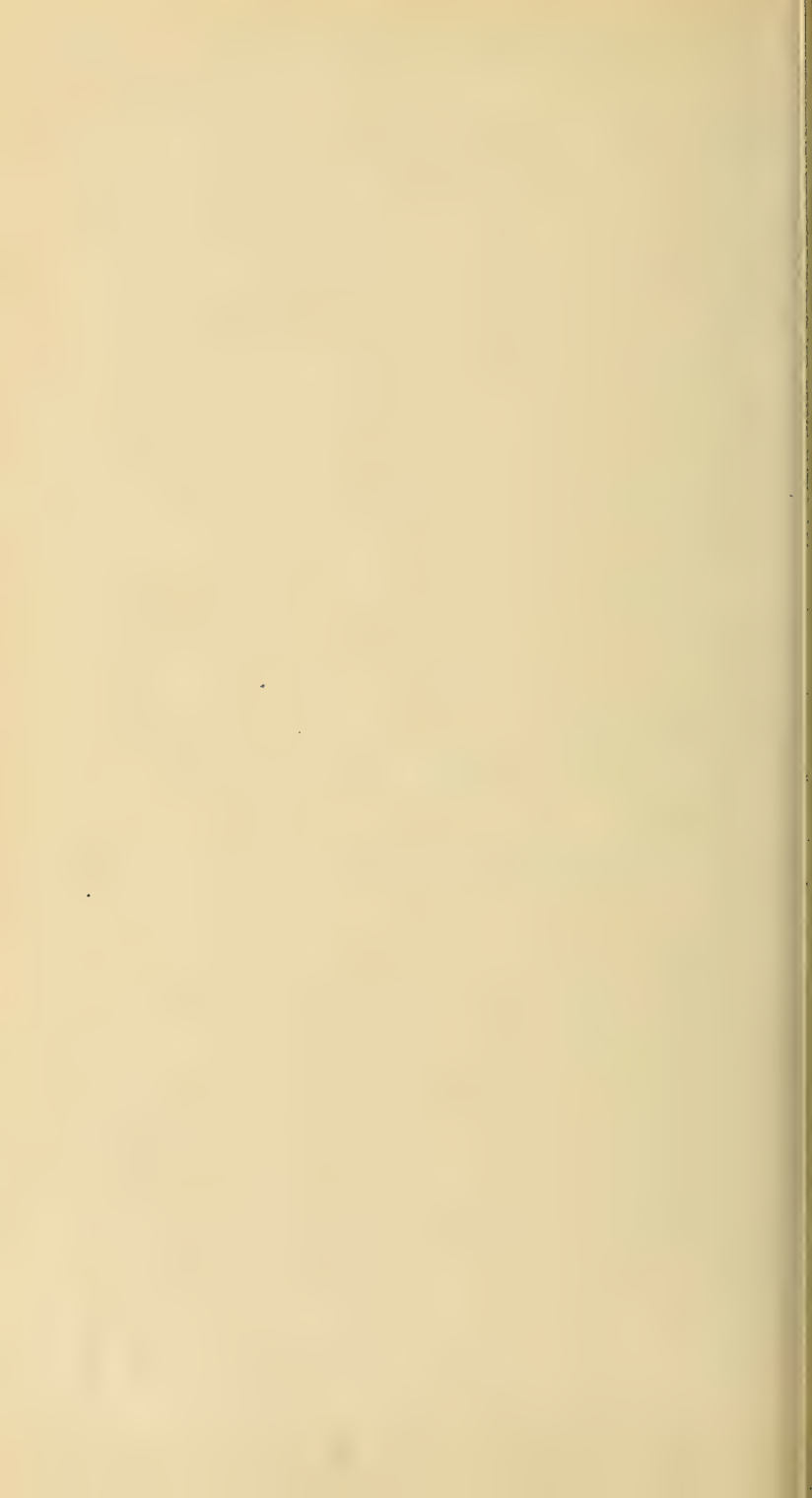
SHOWING THE NUMBER OF PATIENTS TREATED AT THE QUARANTINE HOSPITAL
FOR THE YEAR ENDING DECEMBER 31, 1896.

DISEASES.	Remaining in Hospital from 1895.	Discharged in 1896.	Received in 1896.	Remaining in Hospital.	Died.	Total.
Small-pox.....		3	3			3
Diphtheria.....		1	1			1
Chicken-pox.....		1	1			1
Total.....		5	5			5

REPORT

UPON THE

Bacteriological Laboratory.



REPORT UPON THE BACTERIOLOGICAL LABORATORY FROM JULY 1 TO DECEMBER 31, 1896.

BALTIMORE, January 4, 1897.

Dr. James F. McShane, Commissioner of Health:

DEAR SIR: I beg leave to submit my report upon the work carried on in the Bacteriological Laboratory of the Health Department of Baltimore during the last six months, beginning on July 1 and ending on December 31, 1896.

BACTERIOLOGICAL EXAMINATION OF WATER SUPPLY.

Our routine plan consists in the daily estimation of the number of bacteria present in a cubic centimeter of water taken from the laboratory tap (see table page 88).

We have also begun a series of examinations for the purpose of securing an exact knowledge of the bacteriological condition of the entire city water supply. The general plan of examination consists firstly: In the classification and rough numerical estimation of the various microscopic animalculæ and plants present in the water. This is often of value in determining the source of various unpleasant odors and tastes, as well as the cause of various scums and deposits in stagnant water.

Secondly: In the determination of the number of bacteria present in one cubic centimeter of water.

The presence of a large number of bacteria in water often suggests contamination from various sources, such as waste from large factories, stables, sewers and other nuisances.

Thirdly: In a search for the presence of the intestinal bacteria in small quantities of water by means of the Wurtz method of plating and the use of the Theobald Smith fermentation tube. If these tests fail to reveal the presence of these bacteria, we are usually willing to recommend the samples as potable water if the official inspection and chemical examination are also favorable.

As an additional safeguard, however, we always examine samples of as large a quantity as 50 cubic centimeters for the presence of the bacillus coli communis (intestinal germ), and we at times find this method of aid in the abatement of a nuisance. This plan, which includes the three procedures just described, we designate as the complete examination in contradistinction to the simple numerical estimation of bacteria present per cubic centimeter.

It is obvious that water showing a favorable report after the employment of the complete method is far less liable to give rise to the intestinal diseases than water which does contain the intestinal bacteria. The latter variety is far more likely to contain typhoid bacilli or other harmful germs.

Our examinations of the city water supply have so far included samples from the laboratory tap and from the various other districts throughout the city, but the various reservoirs and the sources of supply will later be investigated. The number of complete investigations is at present not large, but we would respectfully remind you that each complete examination consumes a portion of from four to six days, or even longer.

EXAMINATIONS FROM JULY 1 TO DECEMBER 31, 1896.

Numerical estimations (November omitted).....	128
Average number of bacteria per cubic centimeter.	271.8
Complete examinations of various taps.....	24
Favorable reports.....	24
Complete examinations of streams and wells.....	10
Favorable reports.....	5
Unfavorable reports.....	5

From the above table it will be seen that as yet we have not been able to condemn any sample from the city water as it reaches the consumer. In several instances nuisances in streams supplying the city have been discovered and abated. Although we think that the condition of our drinking water can contrast favorably with that of many other large cities, yet we do not claim that harmful bacteria are not present at times in the city water supply.

Such bacteria can only be absolutely excluded by means of large filtering-beds, but this subject will be taken up in a later report. We think that the unpleasant odor and taste at times observed in the drinking water is merely due to the presence of harmless microscopic vegetable matter, and that

this condition is not caused by any disease-producing germs. The free examination for the diphtheria bacillus in cases of suspected diphtheria not only aids the physician in many doubtful cases, but also enables him to isolate his patients until the throat is free from this germ, and the person is no longer able to infect the surrounding community. The detection of the bacillus of tuberculosis in the sputum frequently offers an opportunity for the cure of an early case, while the blood test for typhoid fever is also of value to physicians.

EXAMINATIONS FOR THE BACILLUS OF DIPHTHERIA.

Positive.....	81
Negative.....	74
Doubtful.....	2
Total.....	157

EXAMINATIONS FOR THE BACILLUS OF TUBERCULOSIS.

Positive.....	54
Negative.....	49
Total.....	103

TESTS FOR TYPHOID FEVER (RECENTLY BEGUN).

Positive.....	4
Negative.....	5
Total.....	9

MISCELLANEOUS EXAMINATIONS.

Milk.....	8
Diseased horses.....	2
“ sheep.....	1
Stagnant sediments, city parks.....	6
Food for fishes, city parks.....	2
Total.....	19

In order that the work of the department may be more effectually carried on, we would respectfully request that there be purchased Sternberg's "Bacteriology," Novy and Vaughn on "Ptomaines and Lencomaines," "Fresh Water Algæ and Desmidicæ of the United States," by Alfred C. Stokes, and "Diatomaceæ of North America." We should also subscribe to the "Central-blatt für Bakteriologie, und Parasiten Kunden"—first two books from Cushing & Co., and others from Eimer & Amend; also, "Die Chemische und Mic. Bakteriologische Untersuchung des Wassers," Tieman-Gärtner, 1896, and "Flügge" "Die Microorganismen."

We think that a man would be of great service to both the bacteriological and chemical laboratories, as there is much manual labor to be performed. One man could be divided between the two laboratories.

A certain amount of experimental work has also been carried on in the laboratory. A series of experiments have been made with a view of enabling us to more certainly differentiate the other fermentative bacteria in water from the colon bacillus, or intestinal bacterium. We have found that certain fermentative bacilli may be easily confused with the intestinal bacillus, or even obscure its presence in water. We have therefore made a careful study of the fermenting bacteria of the city water, and our observations have caused us to exercise the utmost precaution before making an absolute statement in regard to intestinal bacteria.

We have also made a study of an epidemic affecting 70 cows, and have made a number of investigations concerning the new blood test for typhoid fever. This work will appear later in detail in one or more printed articles.

It has been lately claimed that a diagnosis of diphtheria may be made in from 3 to 4 hours, instead of 12 to 15 hours. This matter will be carefully considered, and we also intend to begin a series of experiments, in order to satisfy us in regard to the power of the formaldehyde generator to destroy diphtheria germs when exposed in a large air space. We hope that our work will agree with the numerous reliable experiments showing that this gas is of value in disinfecting rooms after infectious diseases.

It should be a source of congratulation to the physicians and citizens of Baltimore that the untiring efforts of His Honor Mayor Hooper, and of Health Commissioner McShane, have at last resulted in the establishment of a bacteriological and chemical laboratory, provided with every means for investigation.

We cannot close our report without acknowledging the kindly interest shown in our work by Health Commissioner McShane and his assistants, nor must we neglect to express our appreciation of the willingness of the physicians of Baltimore to aid and encourage the laboratory in every possible manner. In conclusion, we wish to express our cordial thanks to His Honor Mayor Alcaeus Hooper for his many broad-minded and liberal actions concerning our department.

Respectfully submitted.

WILLIAM ROYAL STOKES, M.D.,

Bacteriologist to the Health Department, Baltimore.

Report of the Inspector of Bakeries.

James F. McShane, M.D., Commissioner of Health:

SIR: I respectfully submit the following report of inspections made during the year ending December 31, 1896:

Number of bakeries in Baltimore.....	476
" " situated in cellars.....	249
Bakeries inspected.....	978
" ordered cleaned and whitewashed.....	109
Samples of coloring matter obtained for analysis.....	23
" of egg substitute obtained for analysis.....	3
" of macaroni paste obtained for analysis.....	2
" of buns obtained for analysis.....	1
" of cakes obtained for analysis.....	1
" of water obtained for analysis.....	2
Privies inspected and ordered cleaned.....	211
" reconstructed.....	9
" ventilated.....	10
Notice to discontinue use of oven.....	1
Manure pits reconstructed.....	12
Yards cleaned.....	1
Stables reconstructed and cleaned.....	7
Cellars drained.....	2
" cleaned.....	1
Dough-troughs and lids cleaned.....	18
Rain-spouts reconstructed.....	1
Alleys repaired.....	2
Gas-dampers repaired.....	2

1,396

Respectfully,

G. FREDERICK RUECKERT,

Inspector of Bakeries.

Report of the Inspector of Meats, Fish, Etc.

Visits to abattoirs	94
“ private slaughter-houses.....	684
“ markets.....	504
“ provision stores.....	5,700
Total.....	6,982

CONDEMNED AND DESTROYED.

Bacon.....	3,229 lbs.
Beef.....	55,403 “
Mutton.....	19,931 “
Veal	565 “
Pork.....	4,604 “
Poultry.....	1,354 “
Liver.....	1,345 “
Fish.....	5,400 “
Crabs.....	1,691 doz.
Rabbits.....	140 “
Vegetables.....	474 bus.
Fruit.....	264 “

T. EUGENE CARMICHAEL, *Inspector.*

Report of the Superintendent of Public Cemeteries.

BALTIMORE, January 2, 1897.

James F. McShane, M.D., Commissioner of Health:

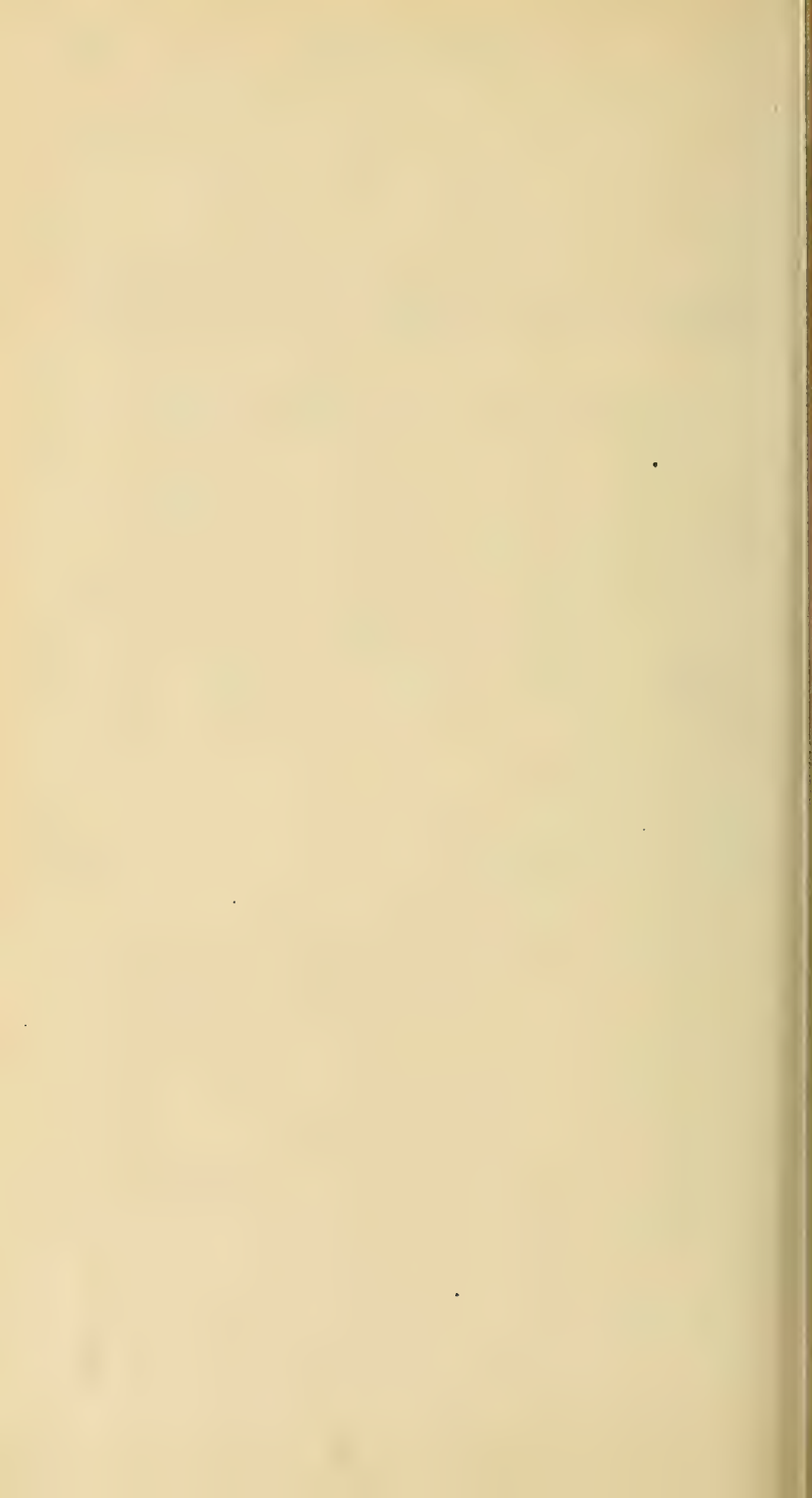
SIR: I most respectfully submit the following report of work performed by me as Superintendent of Public Cemeteries for the year ending December 31, 1896.

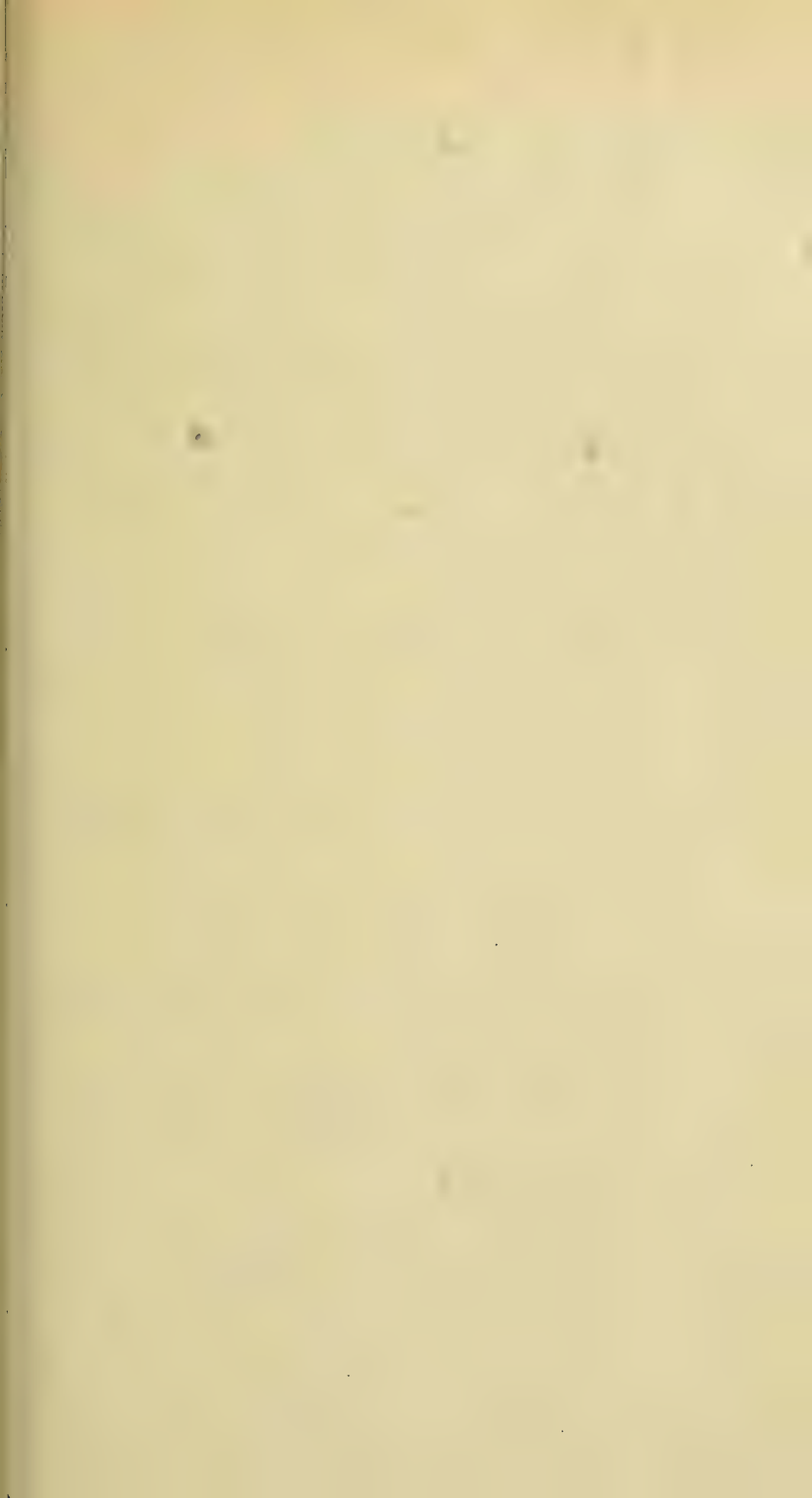
The accompanying table gives a condensed statement of all work performed, such as interments in public and private cemeteries; bodies removed to city morgue; bodies given to the Board of Anatomy, in accordance with the requirements of Chapter 166, Laws of Maryland, 1890; number of houses from which infected bedding, etc., was removed and destroyed; number of patients removed to hospitals, etc.

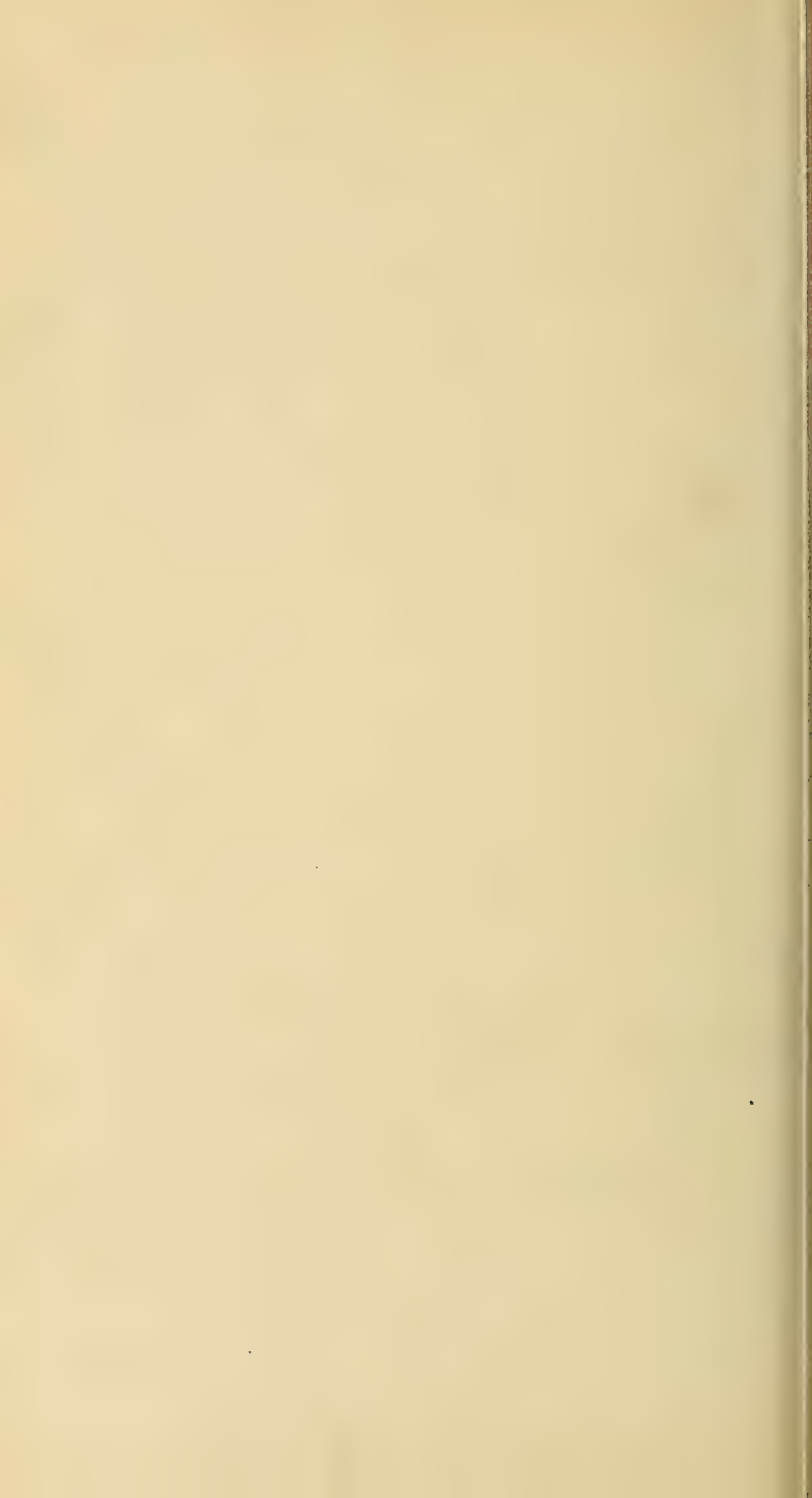
Buried in public cemeteries.....	567
“ “ private “	102
Transferred to the Board of Anatomy.....	55
Taken to the City Morgue	156
Infected goods destroyed from houses.....	128
Patients removed to hospitals.....	8
“ “ “ Bay View Asylum.....	3

Respectfully submitted.

GEORGE E. BROWN,
Superintendent of Public Cemeteries.







ANNUAL REPORT

— OF THE —

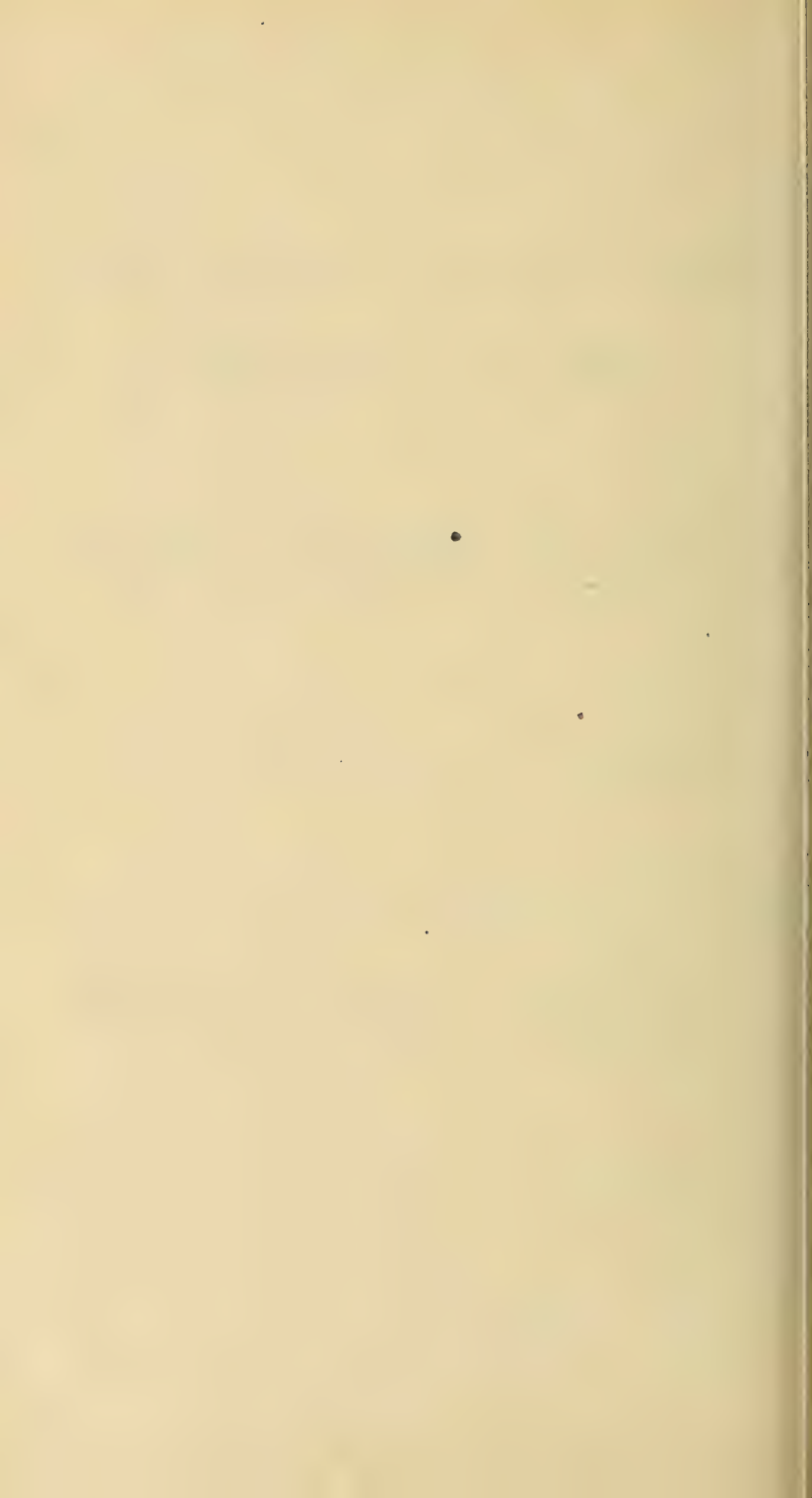
CITY COMMISSIONER

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



REPORT.

CITY COMMISSIONER'S OFFICE,

BALTIMORE, January 1, 1897.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: I have the honor to submit herewith the annual report of this department for the year ending December 31, 1896, with the accompanying reports of the officials in charge of the subdivisions of the department, to which reference is made:

The most important questions with which this department has to deal are those of drainage and street paving. The former, by reason of the topography of the city, aided by a judicious system of sewerage, which, I doubt not, the Sewerage Commission will recommend, can be readily taken care of. The question of economical street paving seems to be puzzling the officials of all our large cities.

Within the past few years a large amount of money—\$2,600,000—has been expended by this city in laying improved pavements. Granite blocks, asphalt blocks and sheet asphalt have been used principally.

Many of the streets paved with sheet asphalt have been resurfaced during the past year, including all those surrounding the market-houses. Some of these are again showing signs of disintegration, and will need repairing again during the present year. Certain other streets seem to be holding their own fairly well; notably, South Broadway and Mulberry street.

Streets paved with asphalt blocks are rapidly deteriorating, and will at no distant day require large expenditure of money for repairs or renewing. Lexington street, the paving of which was completed May 20, 1893, is in bad condition, and will ere long need a general overhauling. Saratoga street, from Cathedral street to Fremont avenue, completed

August 8, 1893, is also in bad condition, and has been seriously damaged by the building of the Edmonston Avenue, Catonsville and Ellicott City Electric Railway. Fulton avenue and the west side of Eutaw Place, from Dolphin street to North avenue, were repaired, and in many places repaved during the past summer at an expense of \$32,750.11. The east side of Eutaw Place needs immediate attention, to prevent accidents and perhaps damage suits.

Asphalt block paving, after it has been down a few years, is very difficult to repair, and when the blocks are taken up and relaid makes an inferior pavement, as is shown on the above-mentioned streets.

Several blocks have been laid with what was claimed to be "vitrified brick;" but it is very evident that it is a slander on genuine vitrified brick to so designate those pavements. North Broadway, between Baltimore and Fayette streets, has more the appearance of having been laid with ordinary "salmon" brick than true "vitrified" brick. Chase street, from Charles to St. Paul, and St. Paul street, from Biddle to Preston, are little better.

There is a universal demand for smoothly-paved streets, and they are certainly very desirable; but I am of the opinion that asphalt-paved streets as laid in this city will prove an exceedingly expensive luxury to the taxpayers. I am inclined to think, however, that whilst sheet asphalt is not a suitable pavement for streets about the markets, or on streets subject to heavy hauling, that by reason of the concrete base, if a good quality of asphalt were used, mixed with the proper proportion of the ingredients necessary to form the mass, it might be used on streets subject only to light driving. The granite block is evidently the most economical and altogether the best pavement which has been laid in the city thus far, and for streets subject to heavy traffic is probably the most suitable pavement that can be used. I am of the opinion, however, that genuine vitrified brick or slag blocks will make a very indestructible pavement if laid upon a sufficient bed of washed sand well rolled before laying, or, better still, upon a concrete base, with a cushion of two inches of sand.

Whilst a large amount of money has been expended in laying new and improved street pavements, the sums appropriated for repairs have been utterly inadequate, and as a consequence very many of our streets in all sections of the city are in a disgraceful condition. Last year only \$30,000

was appropriated for that purpose, all of which was expended by the first of June, \$16,082.41 having been expended on Eutaw Place, Centre Market space, St. Paul street bridge and around the City Hall, leaving about \$14,000 for general repairs to other streets. Since that time nothing has been done except such small repairs as were absolutely necessary to prevent accidents and consequent claims for damages. It is well to repave our rough streets as rapidly as possible with improved pavements, but it is poor economy to allow other streets and alleys not so paved to become practically impassable for want of repairs. The old adage, "A stitch in time," is apropos to streets as to other things.

The sidewalks throughout the city are in equally bad condition with the streets. The law, however, is ample to compel owners of property to keep pavements in good condition, and if the Police Department will require the roundsmen to report all cases of needed repair to sidewalks, the proper steps will be taken to *induce* property-owners to comply with the law.

I would suggest that some change be made in the footway laws. At present no provision is made in the City Code for any kind of footway paving other than brick. If specifications were enacted into laws defining the kind of footways (granitoid, granolithic or brick) which could be laid, it would do away with the present anomolous condition of property-holders violating the law by putting down the best kind of a footway. In this connection I would suggest the restriction by law of placing water-pipes (house service connections) under pavements at a less depth than three feet, as frequently the best pavements are torn up to thaw out frozen pipes.

In his report last year City Commissioner Fisher called the attention of the Council to an agreement with the Carroll Estate and Ranstead's to grade, pave and kerb Herkimer street, from Carey to Bush streets, and Bush street, from James street to the water. Eight thousand dollars was appropriated in the levy of 1895, which was expended in grading Herkimer street and partially paving same, and his estimates for their completion, as per contract above mentioned, was \$20,000, using the old material then in the city yards. A good portion of this has been used on other city work, and much of it perhaps on *other than city work*. A new estimate for this work will be submitted hereafter.

REPAIRS TO STREETS, BRIDGES AND CULVERTS IN ANNEX.

Very many of the streets and roads in the Annex are much in need of repair, some of them being in a dangerous condition. All of the bridges will require more or less repairs, and many culverts must have attention, so as to prevent accidents.

Your consideration is especially called to the condition of Wilkens avenue bridge. Three years ago Mr. Fred. H. Smith, engineer of bridges, in alluding to this bridge, recommended that it be replaced with an iron superstructure, and the masonry repaired and reinforced. This he estimated could be done at a cost of \$36,000. There remains unexpended of the Six Million Loan for new bridges the sum of \$38,792.66, and I would recommend the passage of an ordinance providing for the rebuilding of this bridge.

CITY BRIDGES.

All the city bridges will require more or less repairs during the present year, whilst all those constructed of iron require painting. Many of them have not been painted for years, and unless something be done at once to prevent further deterioration by rust, their strength will be much impaired and the safety of the public endangered. I therefore ask a liberal appropriation for this purpose.

SEWERS.

During the year the following sewers have been completed, viz: Bruce alley, Newington avenue, Belvidere street, Presstman street, Henrietta street, Camden street, Fremont avenue and Fulton avenue.

Druid Hill avenue intercepting sewer, begun June 29, 1891, has also been completed, excepting a part of the inlets, which are now being constructed and will soon be finished. The cost of this sewer to January 1, 1897, was \$242,814.90. The original estimate, \$190,000, appropriated by Ordinance No. 48, approved April 30, 1891, has been added to by sundry appropriations aggregating \$60,000.

Alluvion street sewer, Ordinance No. 35, March 27, 1895, was begun December 1, 1895. About three-fourths of the work has been completed under the supervision of Assistant City Commissioner Newton M. Gray, and the work will be pushed to an early completion.

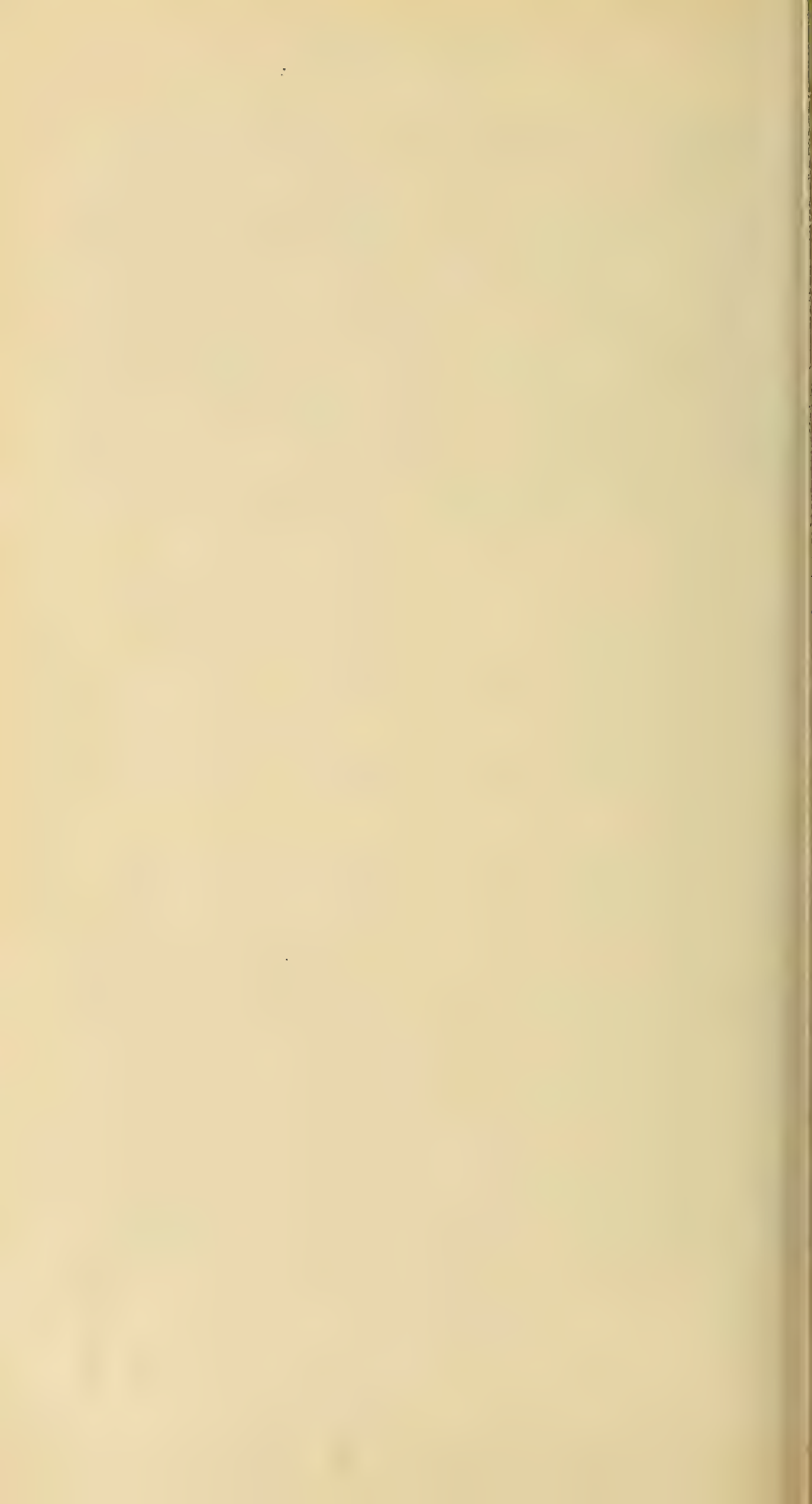
Beason street sewer is nearing completion.

I desire to call attention to the unsanitary condition of North Payson and North Pulaski streets north of North avenue, and to recommend the construction of a sewer in Clifton avenue, from Monroe street to Payson street, continued northwardly for a short distance in Payson street, to enable the city or the property-holders to grade and pave Clifton avenue between Fulton avenue and Payson street. An estimate of the cost of said sewer will be made at once and submitted. This sewer will be an extension of Bruce alley sewer, Ordinance No. 75 of 1893, and there remains sufficient money from the appropriation for Bruce alley sewer to build the extension in question.

Reference to the annexed report of the Inspector of Poles shows a decrease in the number for the year of 1,123.

Respectfully,

W. A. HANWAY, *City Commissioner.*



CITY COMMISSIONER'S DEPARTMENT,

BALTIMORE, January 1, 1897.

Col. W. A. Hanway, City Commissioner:

DEAR SIR: Herewith I hand you my report for the year ending December 31, 1896, of trolley and other poles erected, removed and now standing in the city: There has been an increase of 1,141 poles used by the various city passenger railway companies using electricity as a motive power, and through the persistence of this department the span between poles has been increased to an average of 125 feet, which formerly stood at 100 feet, materially reducing the number of poles, it being in the above instance alone 285 poles.

There has been a net decrease of 1,123 poles used by the various telegraph, telephone and electric light and power companies, and fire-alarm telegraph, which is mainly due to requiring the companies to comply with Article 50, Sections 74 and 75, of the City Code of 1893, which had not been done formerly.

There were removed 114 poles by D. E. Evans & Co. for this department, which were abandoned, and the names of owners could not be found, said poles having been an eyesore, and in some cases dangerous.

The erection of new poles has been kept down to a minimum by refusing numerous permits and compelling companies to use poles that were standing. By this means 250 poles have been dispensed with. There have been very few complaints, all of which have been attended to promptly.

Respectfully submitted.

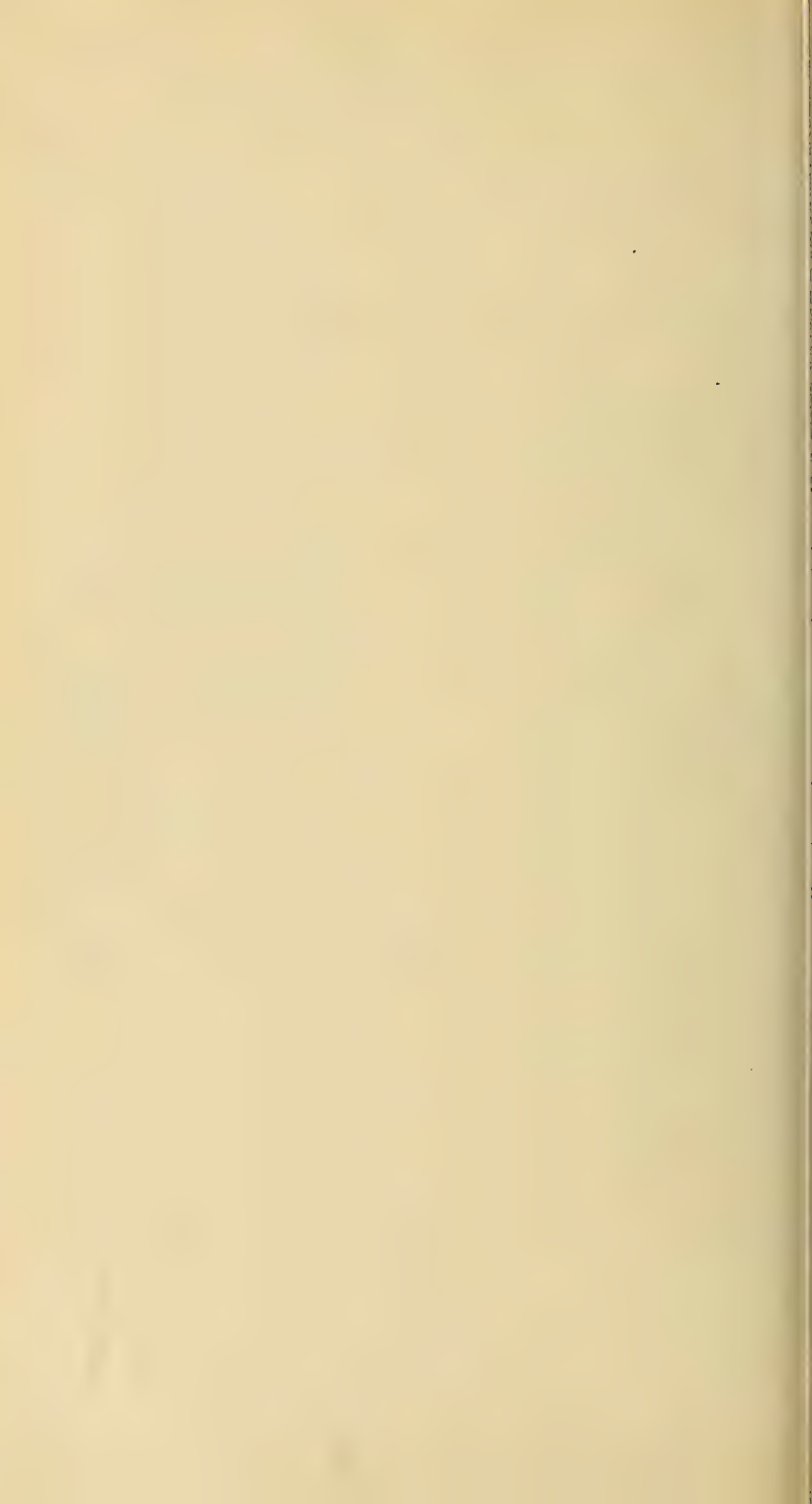
WILLIAM HORR, JR., *Inspector.*

REPORT OF TELEPHONE, TELEGRAPH, ELECTRIC LIGHT AND OTHER POLES
ERECTED, REMOVED AND NOW STANDING OF THE VARIOUS
COMPANIES DOING BUSINESS IN THE CITY.

OWNERS.	No. of Poles Standing Dec. 31, 1895.	No. of Poles Erected During 1896.	No. of Poles Removed During 1896.	No. of Poles Standing Dec. 31, 1896.
Chesapeake and Potomac Telephone Co.....	1,449	12	12	1,449
Western Union Telegraph Co.....	1,262	.....	486	776
Postal Telegraph Cable Co.....	513	.....	13	500
American Telephone and Telegraph Co.....	182	.....	.....	182
United States Postal Printing Telegraph Co...	15	.....	.....	15
American District Telegraph Co.....	9	.....	6	3
Home Telephone Co.....	.....	4	.....	4
Standard Oil Company.....	75	.....	75	.....
Subway Commission.....	.....	38	1	37
Fire-alarm Telegraph.....	2,000	.....	137	1,863
Eastern Electric Co.....	3	.....	3	.....
Brush Electric Co.....	2,266	15	390	1,891
Edison Electric Illuminating Co.....	1,286	52	20	1,318
United States Electric Power and Light Co. . .	207	2	18	191
Instantaneous Fire-alarm Co.....	31	.....	1	30
Baltimore and Ohio Railroad Co.....	118	30	6	148
Northern Central Railway Co.....	33	.....	.....	33
Union Railroad Co.....	17	.....	.....	17
Baltimore and Potomac Railroad Co.....	42	.....	.....	42
Abandoned poles (owners unknown).....	114	.....	114	.....
	9,622	153	1,282	8,499

REPORT OF TROLLEY POLES ERECTED, REMOVED AND NOW STANDING OF
THE SEVERAL CITY PASSENGER RAILWAY COMPANIES.

OWNERS.	No. of Poles Standing Dec. 31, 1895.	No. of Poles Erected During 1896.	No. of Poles Removed During 1896.	No. of Poles Standing Dec. 31, 1896.
Baltimore City Passenger Railway Co.....	1,607	51	.....	1,658
Baltimore Traction Co.	2,504	454	1	2,958
City and Suburban Railway Co.....	2,392	.....	.....	2,392
Central Railway Co.....	604	400	.....	1,004
Edmondson Avenue, Catonsville and Ellicott City Electric Railway Co.....	.....	237	.....	237
	7,108	1,142	1	8,249



CITY COMMISSIONER'S DEPARTMENT,

BALTIMORE, January 1, 1897.

Col. William A. Hanway, City Commissioner:

DEAR SIR: The following is a report of the operations of my branch of the City Commissioners' Department for the year ending December 31, 1896, embracing all work executed under the supervision of Mr. Charles A. Hook (resigned October 31), and all work in connection with sewers done under the supervision of Mr. Charles P. Kahler prior to December 15. The descriptions and statements in connection with work which was not directly under my supervision prior to October 31 and December 15 have been finished by the engineers in charge of the several works.

BRUCE ALLEY SEWER.

Ordinance No. 75, approved April 14, 1893.

Bruce alley sewer, a detailed description of which is given in the City Commissioner's report for the year 1895, was nearly completed on December 31, 1895. The work remaining to be done consisted of about 150 feet of the branch sewer, 3.0 feet in diameter, extending from the main sewer in Bruce alley to the intersection of Fulton avenue and Walbrook avenue, together with four inlets at the said intersection. The above-named work was finished about April 1, 1896. Later in the season three additional inlets were built, connecting with this sewer—one at the intersection of Fulton avenue and Clifton avenue, and two on the north side of North avenue at Bruce alley. A man-hole was built over the old sewer in Fulton avenue at Walbrook avenue; the two-foot pipe sewer crossing Clifton avenue at the alley east of Fulton avenue was connected with Bruce alley sewer, and the drain-box at Clifton avenue and Monroe street was reconstructed.

Total cost to December 31, 1896\$59,376 80

FULTON AVENUE SEWER.

Ordinance No. 61, Approved April 20, 1896.

Fulton avenue sewer is an extension of the Pennsylvania avenue branch of Bruce alley sewer. This sewer lies on the south side of Fulton avenue, between Pennsylvania avenue and Mary street, and is 368 feet in length. The sewer consists of a 30-inch vitrified, salt-glazed pipe laid in concrete, and is provided with one man-hole and two trapped inlets located at the intersection of Fulton avenue and Mary street. The work was done by contract—Patrick Flanigan, contractor—for the lump sum of \$1,700. A small amount of extra work was required in connection with this sewer, which was done by the contractor according to agreement.

Contract price.....	\$1,700 00
Extra work.....	129 78
Engineering, superintendents, etc.....	209 16
<hr/>	
Total cost of work.....	\$2,038 94

This sum was taken out of the balance left over from the appropriation for Bruce alley sewer, Ordinance 75 of 1893.

SEWER IN NEWINGTON AVENUE.

This sewer consists of a line of 18-inch vitrified sewer pipe, 340 feet in length, connecting with an old sewer which crosses Newington avenue near Mt. Royal avenue, and extending in Newington avenue to the west side of Park avenue. Inlets connecting with the sewer were built at the northeast, northwest and southwest corners of Park avenue and Newington avenue. This sewer is designed to prevent overflow of surface water at the intersection of Park avenue and Newington avenue. During the summer a considerable portion of the bed of Park avenue, south of Newington avenue, was washed away, and 120 feet of kerb was dislodged and thrown into the gullies. The washed-out places have been filled up and the kerb reset.

Sewer and inlets.....	\$1,476 86
Refilling.....	104 25
Resetting kerb.....	18 00
<hr/>	
Total cost of work.....	\$1,599 11

Charged to "Salaries in Annex," Ordinance No. 94 of 1896.

Pipe sewer in Belvidere street, connecting the plated gutter at Greenmount avenue and Oliver street with Jenkins Run sewer, consists of a line of 18-inch vitrified pipes, 230 feet in length. This sewer was laid in connection with the the grading, paving, kerbing, etc., of Oliver street, from Guilford avenue to Greenmount avenue, and the cost—\$390.24—charged to account of cross streets.

ALLUVION STREET SEWER.

Ordinance No. 35, Approved March 27, 1895.

Alluvion street sewer is an extension of the old Chatsworth Run sewer, and is located as described below:

Beginning at a point a short distance south of Stockholm street, the new sewer follows the line of the old sewer, in Scott street, to its outlet, 50 feet north of the B. & O. R. R.; thence, with a curve of 200 feet radius, passing under the railroad, the sewer extends through private property to the west side of Ridgely street, at the intersection of said street with Alluvion street; thence, in Alluvion street to the east side of Warner street, a total distance of 1,528 feet. The old sewer, from the point at which it connects with the new sewer to its outlet, a distance of 270 feet, will be removed and its materials used in the construction of the new sewer. For a distance of 500 feet west of the east side of Warner street the sewer occupies the bed of Chatsworth Run.

On December 1, 1895, the construction of Alluvion street sewer was assigned to Mr. Charles A. Hook, with myself as engineer in charge, and work was commenced at once. A coffer-dam, to keep out tide-water, and a dam and trough to divert and convey the ordinary flow of water in the stream, were constructed. Driving of piles for the foundation of the sewer began about the middle of December.

Alluvion street sewer consists of a semi-elliptical arch of five rings of brick, having a span of 20 feet and a rise of 6.25 feet, with vertical abutments 1.65 feet in height, the total clear height being 7.9 feet. The arch is balanced and secured by heavy spandrel walls of stone masonry 5.75 feet in thickness at the base. The total outside width of the sewer is 31.5 feet. The first two rings of brick were laid in alternate courses of headers and stretchers, forming a compound ring nine inches in thickness, with a view to preventing settlements in the first ring after the removal of the centres.

The foundation of the sewer consists of five rows of piles, spaced four feet from centre to centre, driven to an average depth of 30 feet below mean-tide level.

The platform upon which the masonry of the sewer rests consists of five lines of 12 by 12 stringers, resting upon the piles, and covered with a floor of six-inch timber, all of Georgia pine.

At the Warner street end of the work excavations for the foundations were made to a depth of six feet below mean-tide level. The elevation of the floor, or grade of sewer, at Warner street is 2.75 feet below mean-tide level, and at the connection with the old sewer, near Stockholm street, the grade is 1.2 feet above mean-tide level, which gives a grade inclination of three inches per 100 feet.

The completed pile foundation extends from Warner street to the south side of the B. & O. R. R. at the foot of Scott street, and will be continued from the north side of the railroad to a point about 100 feet north of Scott street. The timber foundation from this point to the point of connection with the old sewer will be laid upon the ground, no piles being needed.

The original plan included a pile foundation for the sewer under the B. & O. R. R. This plan was abandoned, as it involved the removal of first one track and then the other for an indefinite length of time, a condition which would have seriously interfered with the movements of the 250 or more trains which pass this point daily. After a careful examination, together with the tests afforded by the piles driven nearest to the railroad had indicated that the ground at subgrade was firm enough to support with safety a grillage foundation for the railroad abutments, the grillage was adopted, and has proven to be entirely satisfactory.

The bridges at Warner and Russell streets were removed, and those streets graded over the sewer and opened to the public. The stone (amounting to 95 cubic yards), taken from the abutments of Russell street bridge, was used in the construction of the sewer.

The work has progressed rapidly, notwithstanding the occurrence of frequent storms during the summer, which generally flooded the work to a depth of 6 feet or more, and the difficulties and delays encountered in the construction of the work under the B. & O. R. R.

Up to November 17 two steam-pumps were kept running

night and day for the purpose of keeping down the water, which made into the trench from several sources along the line of the work, and for the removal of flood-water after storms.

As the construction of the sewer proceeded, dumping of approved material was permitted, and thus the entire sewer between Warner and Russell streets and a portion of the sewer east and west of Ridgely street have been covered. Iron pipes, 16 inches in diameter, were connected with the sewer at Warner and Russell streets, to serve as inlet openings, and a line of 30-inch iron pipes was laid on each side of Ridgely street connecting with the inlets at Ridgely and Ostend streets.

The sewer from the east side of Warner street to the south side of the B. & O. R. R. is finished, with the exception of a gap 16 feet in length at Russell street, left for drainage purposes, and the abutments under the main tracks of the B. & O. R. R. have been built. The total length of completed sewer is 1,124 feet, which leaves 404 feet of sewer yet to be built to complete the whole work.

Statement showing quantities and character of work and cost of same:

Excavation, 12,150 cubic yards.....	at \$ 0.42 ⁵	\$ 5,163 75
Refilling		1,518 20
Round piles (1,340), 44,000 linear feet.....	at 0.15 ²⁵	6,710 00
Square piles (82), 2,630 linear feet.....	at 0.32 ⁶⁵	858 70
Platform, 322.2 M. feet, b. m	at 23.00	7,410 60
Brick masonry, 2,322 cubic yards.....	at 5.86	13,606 92
Stone masonry, 3,515 cubic yards.....	at 4.91	17,258 65
Ashlar, cost of dressing 5,396 linear feet.....	at 0.61 ⁴	3,313 14
Coping and bridge seats.....		216 70
Pile-driver built at the work.....		316 15
Dams, troughs, centres, etc.....		3,200 00
Erecting, taking down and moving machinery.....		553 20
Pumping.....		2,529 70
Sheds, tools, lumber, oil, repairs, paymaster, clerks, etc.		4,420 40
Inlets.....		1,646 00
Regular force, engineer, superintendent, inspector, carpenter and watchman.....		5,000 00
Amount expended prior to December 1, 1895.....		2,592 34
		<hr/>
Cost of work completed December 31, 1896		\$76,314 45
Material paid for and not yet used.....		1,600 00
		<hr/>
Total		\$77,914 45
Less 10 per cent. of cost of materials retained.....		2,218 90
		<hr/>
Amount expended to December 31, 1896.....		\$75,695 55

BEASON STREET SEWER.

This sewer has been constructed in pursuance of Ordinance No. 99, approved May 27, 1896, through the Baltimore and Ohio Railroad Company's property at Locust Point, from the face of the bulkhead at the head of one of their docks, southeasterly about 296 feet, thence westerly under said company's tracks, and through the United States Government's bonded yard to Beason street, thence northwesterly in the bed of Beason street to the intersection of Towson street, a total distance of 1,575 $\frac{3}{4}$ feet.

In addition to the above, a lateral branch was constructed from the intersection of Beason and Garrett streets, southwesterly in the centre of Garrett street, for a distance of 259 $\frac{1}{4}$ feet.

From its mouth to a point just west of the Baltimore and Ohio tracks, this sewer is rectangular in shape, four feet six inches wide by three feet high, with brick side walls eighteen inches thick, built on a platform of six by twelve-inch Georgia pine. The platform rests on runners of twelve by twelve-inch Georgia pine, with mud-sills under each joint. Between the dock and the railroad tracks, a distance of 296 feet, the soil was found to be of such character as to require extra mud-sills of six by twelve-inch Georgia pine, eight feet long, placed about two feet centre to centre, and at right angles to the centre line of the sewer.

This rectangular section is covered with slate slabs about six inches thick. From the Baltimore and Ohio Railroad to Stewart street the sewer consists of cast-iron pipe thirty-six inches in diameter, with joints securely caulked with Portland cement. From this point west to Towson street it consists of double strength terra-cotta pipe, varying in diameter from thirty to twenty-four inches, and laid in a cradle of concrete six inches thick. The lateral branch in Garrett street consists of double strength terra-cotta pipe, fifteen inches in diameter, laid in concrete.

Inlets, twelve in number, were constructed on the northwest and southwest corners of each street intersection along the line, with two at the low point in Garrett street at the head of the lateral branch.

Six man-holes were constructed—one at each street intersection, and one in Garrett street, opposite the two inlets.

This sewer was constructed by contract—P. Flanigan & Co., contractors—for the lump sum of \$8,277 for the main line in

Beason street, and \$300 for the lateral branch in Garrett street. The extra work required has been executed by the contractor in compliance with the specifications. This sewer has been completed, with the exception of thirty feet at the bulkhead, but arrangements have been made with the contractor by which this can be completed at an early date.

The following statement shows the expenditures to December 31, 1896:

Contractors' estimates.....	\$6,600 00	
Engineering, inspection and transportation.	413 86	
Advertising, stationery, etc.....	112 77	
	<hr/>	\$7,126 63

CAMDEN STREET SEWER.

This sewer, being constructed in pursuance of Ordinance No. 77, approved May 5, 1896, extends in Camden street, from the stand-pipe at the head of the Camden street sewer, constructed by the Baltimore Belt Line Railroad, about ten feet west of the west building line of Howard street to the west kerb line of Eutaw street, a distance of 400.8 feet.

It consists of an eighteen-inch terra-cotta pipe laid in a cradle of concrete four inches thick and at an average depth of eight feet below the surface.

At the intersection of Camden and Eutaw streets two drop inlets will be constructed to connect with the cross-gutters, which are covered with iron plates at that point.

Work on this sewer was commenced on December 12, 1896, and has been completed with the exception of the inlet on the northwest corner of Eutaw street and the repaving over the trench.

This work is being done by contract—Patrick Keelty, contractor—for the lump sum of \$490.

The small amount of extra work on this sewer is being done by the contractor, in compliance with the specifications.

The following statement shows the expenditures to December 31, 1896:

Transportation.....	\$ 6 71	
Advertising, etc.....	12 51	
	<hr/>	\$19 22

HENRIETTA STREET SEWER.

This sewer, constructed in pursuance of Ordinance No. 72, approved May 5, 1896, extends from the sewer in the centre of Howard street, along the north side of Henrietta

street to Eutaw street, a distance of 416.5 feet. It consists of an 18-inch terra-cotta pipe laid in a cradle of concrete four inches thick, and at an average depth of seven feet below the surface.

At the intersection of Henrietta and Eutaw streets two man-holes were built with connections for the two gutter-plate inlets which were built—one on the northeast and one on the northwest corners of the above-named streets.

Work on this sewer was commenced on November 24, and has been completed with the exception of some repaving at the intersection of Eutaw street.

This sewer was constructed by contract—Patrick Keelty, contractor—for the lump sum of \$645. The small amount of extra work has been executed by the contractor, in compliance with the specifications.

The following statement shows the expenditures to December 31, 1896:

Engineering, inspection and transportation.....	\$56 47
Man-hole castings and gutter-plates.....	76 34
Advertising, stationery, etc.....	12 60
	————— \$145 41

PRESSTMAN STREET SEWER.

This sewer has been constructed in pursuance of Ordinance No. 108, approved June 17, 1895, beginning at a point in the bed of Monroe street, thirty-six feet south of the south building line of Presstman street, and extending north in Monroe street, east in Presstman street, and north in Addison alley to Baker street, and east in Baker street to Fulton avenue, making a total distance of 889.66 feet, and connecting with the sewer previously constructed at that point.

From its outfall north for a distance of fourteen feet three inches the sewer is nine feet six inches in diameter, and connects with a conical chamber fifteen feet six inches in length, nine feet six inches in diameter at the south end, and fifteen feet six inches wide by ten feet three inches high at the north end, which receives the discharge from the west by means of a lateral branch fifty-six feet in length and six feet in diameter, and also the discharge from the main sewer, eight feet nine inches in diameter, which has its beginning at this point.

The two sections of main sewer and the lateral branch are circular in shape. The invert of each section, to the height of one-fourth of the diameter, consists of granite blocks nine

inches deep, laid in a cradle of rubble masonry. The balance of the invert consists of two rings of brick, and is nine inches in thickness. The sections of arch in the main sewer consist of three rings of brick equal to thirteen and one-half inches in thickness, while the section of arch in the lateral branch, being of small diameter, consists of two rings of brick equal to nine inches in thickness.

All of these sections are backed up with a sufficient amount of rubblestone masonry to prevent any distortion or cracks. Wing walls averaging four feet in thickness, and an apron composed of two thicknesses of two-inch Georgia pine, laid on stringers six inches by eight inches square of the same material, the space between these being filled in with concrete, were constructed at the outfall to prevent the rush of water undermining the sewer. Convenient openings into the sewer were left for inlets which may be built at the several street intersections in the future.

Three man-holes about three hundred feet apart were also constructed, while two inlets (complete with the exception of covering and dripstones) were built at the intersection of Addison alley and Baker street.

Six hundred and seventy-nine linear feet of this sewer was constructed during the year 1896. Work was commenced on September 3, 1895, and completed June 27, 1896.

Statements showing quantities of work and cost of same:

Excavation (earth), 4,412 cubic yards..at \$.7747...	\$ 3,418 08	
Masonry (rubble), 2551½ cubic yards..at 4.2007...	10,718 23	
Brickwork, 697½ cubic yards..... ..at 6.8094...	4,749 54	
Block invert, 952½ square yards.....at 4.7555...	4,227 66	
		\$23,113 51
Two inlets complete, except covering and dripstones	\$440 34	
Three man-holes	70 50	
Wooden drain-box at Liberty road.....	30 23	
Apron at outfall.....	100 70	
Connection with old sewer.....	50 53	
Tearing out apron, etc., at connection.....	94 41	
Chamber for inlets at Addison alley and Presstman street.....	22 63	
		809 34
Building office, tearing down same and moving tools and old material to Belair lot.....	108 20	
Hardware, tools, repairs and other incidentals.....	715 52	
Pay of engineers, superintendent, foreman, carpenter, rodman and paymaster and transportation.....	4,417 15	
Total cost of work.....	\$29,163 72	
Expended during year of 1895.....	\$ 9,302 44	
“ “ “ 1896.....	19,861 28	
Total cost of work.....	\$29,163 72	

FREMONT AVENUE SEWER.

This sewer has been constructed in pursuance of Ordinance No. 52, approved March 24, 1893, northwesterly in the bed of Fremont avenue, from the end of the old sewer at the north curb line of Pratt street to Lanvale street, making a total distance of 4,748 feet, of which 2,335½ feet were constructed during the year 1896.

From Pratt street to a point about midway between Fayette and Vine streets this sewer is constructed on the east side of Fremont avenue. From this point north, on account of the occupancy of the east side of the street by a twenty-inch gas-main, sixteen-inch water main, and subway, the sewer was shifted to the west side of Fremont avenue.

The sections of sewer from Pratt street to Milton Place are circular in shape, varying in diameter from five feet to three feet three inches. The invert, to the height of one-fourth of the diameter of each section, consists of granite blocks nine inches deep, laid in a cradle of rubble masonry, made necessary on account of the condition of the soil through which the sewer is constructed. The balance of the inverts and arches are of brick, nine inches in thickness, backed up with a sufficient amount of rubble masonry to prevent any distortion or settlement.

From Milton Place north to Lanvale street this sewer consists of iron pipe, varying in diameter from thirty to twenty inches, with joints securely caulked with Portland cement. This sewer was commenced on June 13, 1894, and completed, with exception of inlets, on June 30, 1896.

Inlets, twenty-six in number, were constructed on the northwest and northeast corners of each street intersection along the line.

Sixteen man-holes were constructed, about three hundred feet apart, or just north of each street intersection.

Statements showing quantities of work and cost of same during year 1896:

Excavation (earth), 3,886 cubic yards...at \$1.17 ⁰⁵ ...	\$ 4,548 65
Masonry (rubble), 6,945 cubic yards...at 4.30 ⁵⁸ ...	2,990 40
Brickwork, 332 cubic yards .....at 9.39 ³⁹ ...	3,118 80
Block invert, 539 square yards.....at 5.33 ⁴² ...	2,885 16
Back filling, 1,601 cubic yards.....at .28 ⁵ ...	456 29
20-inch cast-iron pipe, 445½ linear feet..at 3.59 ⁷⁴ ...	1,602 64
24-inch " " " 459½ " " ..at 3.91 ⁶¹ ...	1,799 48
30-inch " " " 243½ " " ..at 5.10 ⁸⁸ ...	1,244 50
Cobble paving, 45,247 square feet .....at .0344...	1,556 45
Belgian block paving, 1,937 square feet.at .0623...	120 83
Grading	332 95
Resetting kerb, 2,021 linear feet.....at .0964...	194 89
	<hr/> \$20,851 04
Inlets and connections (18)	\$4,179 73
Man-holes (3).....	61 86
Brick paving.....	94 76
Moving machinery during progress of work, and then to Belair lot.....	592 71
Changing gutter at Lexington street.....	33 67
Hardware, tools, repairs to tools and machinery	970 20
Advertising, stationery and miscellaneous bills	322 64
Pay of engineers, superintendent, foreman, carpenter and transportation.....	4,697 73
Percentages paid contractors for materials furnished in 1894 and 1895.....	1,405 57
	<hr/> 12,358 87
Cost of work for 1896.....	\$33,209 91
Expended 1894	\$24,038 51
" 1895.....	34,164 37
" 1896.....	33,209 91
	<hr/> Total cost of work.....\$91,412 79

The cost per lineal foot of the 20. 24 and 30-inch cast-iron pipes includes the cost of the excavation of the trench.

FULTON AVENUE SEWER.

Ordinance 15, Approved March 16, 1889.

Two double gutter-plate inlets are being constructed in connection with this sewer on the northwest and northeast corners of Fulton avenue and Presbury street.

Expended 1889.....	\$17,063 04
" 1890.....	1,691 10
" 1891.....	41 04
Inlets, 1896.....	304 43
	<hr/> \$19,099 61

The completion of the above-mentioned inlets will complete the Fulton avenue sewer.

DRUID HILL AVENUE INTERCEPTING SEWER.

Ordinance No. 48, Approved April 30, 1891.

This sewer was begun June 29, 1891, and continued almost uninterruptedly until August, 1895, when work was suspended, owing to the exhaustion of the original appropriation.

At that time the sewer was completed from its outfall into the west side of Jones Falls, just north of North avenue bridge, through the Northern Central Railroad Company's property to North avenue, and thence in North avenue to Park avenue, in Park avenue to Laurens street, and in Laurens street to a point designated as the point of curve at the east building line of Druid Hill avenue—a distance of 4,412.61 feet—leaving a balance of 52.71 feet of the sewer to be completed, as noted in the last annual report.

After the Mayor and City Council had passed a supplementary ordinance during the session of 1896 appropriating \$15,000 to complete the sewer and the necessary inlets, work was resumed on August 3, and the remaining sections of sewer completed. The same section, seven feet in diameter, as previously built, was continued in curve northwestwardly into the intersection of Laurens street and Druid Hill avenue for the distance of 22.82 feet. From this point the last section of sewer, $4\frac{1}{2}$ feet wide by $5\frac{1}{3}$ feet in height, was also built in curve and for the distance of 29.81 feet to the north building line of Laurens street, where it intercepts the old sewer extending northwardly in the bed of Druid Hill avenue. A cradle of rubblestone masonry was built to receive the granite block and brick invert of both sections of sewer. The granite invert is laid to one-fourth of the diameter, is nine inches deep and is laid in Portland cement; the remainder of the invert and the arch are of brick nine inches thick and backed with rubblestone masonry.

The old corner inlets that connected with the old sewer at Druid Hill avenue were torn out and replaced by new inlets connecting with the new intercepting sewer. In addition to the corner inlets, four side inlets, each with openings ten feet long and nine inches deep, were constructed at this intersection.

Shafts have been sunk at the following intersections: Along Laurens street at McCulloh alley, Madison avenue, Morris alley and Jordan alley, and cast-iron stand-pipes to serve as inlet connections with the sewer placed therein. Inlets are being constructed as rapidly as the weather will permit at

the above-mentioned points and connected to these stand-pipes. At North and Park avenues a shaft to a depth of twenty-two feet was sunk, and a vertical shaft or drop constructed of rubblestone masonry lined with broken range masonry twelve inches deep was carried up from an opening five feet high by four feet wide and previously built into the section of sewer eight feet in diameter, to a point about nine feet below the surface, and then arched over with brick. The stone shaft is five feet long by four feet wide, and from a point six feet above the bottom the side walls were carried up on a batter to the springing line of the arch, which is five feet six inches wide and two feet nine inches in height. This vertical drop is designed to accommodate the drainage west in North avenue in case a section of sewer is constructed from this point.

Openings were also built in both sides of this drop, to which inlets and their connections are now being built to the northeast, northwest and southeast corners of North avenue and Park avenue.

Statement showing quantities of work and cost of same:

Excavation and refilling....	378	cubic yards at \$ 1.01 ⁴⁸	\$	383	63
Brick masonry.....	30.33	" " " 12.88 ⁸⁸		390	92
Stone ".....	50.29	" " " 4.51 ¹⁸		226	90
Block invert.....	32.26	square " " 6.86 ²⁷		221	39
Man-hole torn out and rebuilt.....				15	49
Making dams, moving office and building sheds.....				87	58
Hauling sample blocks, City Hall to storage lot.....				3	05
Repaving (cobblestone).....	7,432	square feet at \$0.031...		230	43
" (block).....	303.85	" " " .03 ...		9	17
Shafting and inlet, Laurens street and McCulloh alley.....				328	83
" " " " " " Madison avenue.....				210	72
" " " " " " Morris alley.....				197	20
" " " " " " Jordan ".....				110	05
" " vertical drop, North and Park avenues.....				505	95
Cast-iron pipe and special castings.....				520	78
Regular force—engineers, rodman, superintendents and watchman.....				1,529	22
Percentage paid.....				895	60
Value of material on hand and paid for.....				284	89
General supplies, repairs and incidentals.....				1,968	00
Amount expended prior to January 1, 1896.....				234,695	10

Total amount expended to January 1, 1897..... .. \$242,814 90

LOW AND FORREST STREET SEWERS.

Ordinance No. 66, Approved April 21, 1896.

This sewer, begun on June 16, 1896, and completed on October 29, 1896, consists of a twenty-inch terra-cotta pipe of the bell and spigot pattern, of double strength, and extends from the head of the brick sewer three feet in diameter, located on the south side of Low street, eight feet west of the east kerb of Forrest street, to about the west building line of Aisquith street, a distance of 584 linear feet.

The sewer is located on the south side of Low street, and the pipe is laid in a bed of concrete four to six inches deep, and backed up on the sides above the springing line with concrete. The average depth of cut was seven feet six inches.

A man-hole seven feet in depth was constructed at the head of the sewer.

Inlets, three in number, were constructed in connection with this sewer at Aisquith and Low streets.

In the line of the trench was found a drain one foot square, built of bricks laid dry upon a plank bottom and covered with slabs of stone. As all the bricks were of a good quality and required little cleaning, they were saved and utilized in the construction of the man-holes and inlets.

Another section, consisting of a twenty-inch terra-cotta pipe, was laid in the east side of Forrest street and extended from the brick sewer, three feet in diameter, to the north kerb line of McElderry street, a distance of 190 linear feet.

The average cut in excavation of the section was seven feet, and it was partly in drift to avoid the tearing up of the asphalt pavement over the line of the sewer.

At the head of this section a man-hole six feet deep was built.

This pipe was laid in concrete, in the manner described above. Three inlets were built in connection with this sewer at the intersection of Forrest and McElderry streets.

The construction of these sewers will afford the needed relief to the Belair Market, which was often flooded in times of heavy rains.

Statement showing quantities and character of work and cost of same:

Excavation and refilling, 912 cubic yards, at \$0.98 ⁴⁴	\$ 897 83
Laying 20-in. terra-cotta pipe in concrete, 763 lin. ft., at \$0.92 ⁴⁷ ..	705 53
Laying 18 " " " " 96 " at .87 ⁶⁶ ..	84 17
Inlets.....	541 30
Man-holes.....	81 01
Repaving (cement and concrete), 319 ⁶ square feet, at \$0.21 ⁷³	69 49
Drifting and refilling, 50 ⁶ cubic yards, at \$1.06.....	53 66
Digging test holes and cleaning up.....	25 27
Repaving (cobblestone), 5,326 square feet, at \$0.03 ⁹	207 71
Repaving (block), 423 ¹ square feet, at \$0.04 ⁵	19 16
Resetting kerb, 94 lin. feet, at \$0.12.....	11 28
Regular force—engineers, rodman and superintendence.....	539 48
Incidentals.....	148 32
Total amount expended.....	\$3,384 21

BRICE ALLEY SEWER.

Ordinance No. 70, May 17, 1895.

This sewer was begun September 20, 1895, and completed October 30, 1896.

It is an extension of a section of sewer previously built in Lanvale street eastwardly from Pulaski street to Brice alley, and in Brice alley eleven feet north of the north building line of Lanvale street. From this point the sewer was constructed in the bed of Brice alley to a point ten feet north of the north building line of Lafayette avenue, a distance of 432.35 linear feet. This sewer is circular in form and ten feet six inches in diameter.

The granite block invert, nine inches in thickness, is laid in a cradle of rubblestone masonry to a height of about one-fourth of the diameter, the balance of the invert to a height of nine inches above the spring line consists of brick nine inches thick. The arch is of brick, thirteen and one-half inches thick and is backed with masonry. The block pavement was laid in Portland cement, while the brick and rubblestone masonry were laid in domestic cement.

The depth of the cut in excavation ran from ten to eighteen feet, and was through filled-in ground. A sub-drain made of lumber four by six inches was laid under the bottom of the rubblestone cradle as the work progressed to drain the ground. On account of the extremely soft ground for a distance of eighty-eight feet a timber platform of Georgia pine, consisting of a layer of planks three inches thick by twelve inches wide, was laid longitudinally with the sewer one foot apart, and upon this a flooring of planks of the same dimensions was laid transversely for the full width

of the foundation, eighteen and one-half feet. Upon this foundation the cradle of rubblestone masonry was then built.

At the head of this sewer wing, walls and a parapet wall were built to prevent any washing out or undermining of the sewer. The stream was then diverted from its original course so as to flow into the new sewer at its head. In connection with this section of sewer two man-holes, each fourteen feet high, and four side inlets were built.

On the completion of the sewer, inlets and man-holes, all the kerbing and cobblestones in the bed of Lafayette avenue, between Brice alley and Pulaski street, were taken up; the old inlet openings into the old culvert across Lafayette avenue, just west of Brice alley, arched over, and the bed of the avenue then filled in to a depth of three feet over the line of the old culvert, the kerb reset and the street repaved, making a marked improvement in the bed of the avenue west of Brice alley.

A wooden box or trough fifteen inches square was placed into an opening left in the west side of the sewer, about ninety feet north of the north building line of Lanvale street, to drain off any water that may fall in the basin enclosed by Lanvale and Pulaski streets, Lafayette avenue and Brice alley, until it is filled up to the grade of these streets.

Statement showing quantities and character of work and cost of same:

Excavation	2,284 cubic yards at \$0.63 ⁶⁶	\$ 1,453 93
Brick masonry.....	361.47 " " " 5.77 ⁵	2,087 54
Stone "	1,043.37 " " " 4.11 ⁰⁵	4,288 78
Block invert	375.38 square " " 3.37 ¹	1,265 69
Blocks left over.....	775 at \$149.50 per M.....	115 86
Refilling		334 58
Man-holes		104 98
Inlets.....		705 18
Hauling lumber, cleaning up on completion of work.....		63 91

Regrading and repaving Lafayette avenue:

Refilling	1,305 cubic yards at \$0.54 ⁹¹	716 67
Repaving.....	9,826 square feet " .03 ⁶⁷	361 47
Resetting kerb.....	309.7 lineal " " .10	30 97
Repaving sidewalk		25 67
Arching over old inlets.....		8 64
Regular force—engineer, rodman, superintendent and watchman.....		2,821 76
General supplies, repairs and incidentals.....		1,465 05
Amount expended prior to January 1, 1896.....		4,712 33

Total amount expended to January 1, 1897 \$20,563 01

FORT AVENUE SEWER.

Ordinance No. 72, Approved April 6, 1893.

This sewer, together with five man-holes and five inlets, was completed prior to the first January, 1896. The work was commenced in September, 1894, and completed April 21, 1896.

The work done in 1896 consisted in the construction of five inlets and their connections. All the cut-off pile heads left over at the outfall of the sewer were disposed of by sale and the proceeds handed in to the City Commissioner.

Statement showing quantities and character of work and cost of same:

Inlets (5).....	\$1,498 88
Repaving (cobblestone), 16,037 ⁹³ square feet.....at \$0.03 ⁹	625 47
Resetting kerb, 139 ⁴ lineal feet.....at .14	19 52
Repaving sidewalks, 280 ⁵⁷ square feet.....at .07 ⁶⁹	21 59
Raising man-hole and filling in under tracks	33 08

Repaving sidewalks as per contract:

New brick pavement, 282 ¹⁷ square feet..... ..at .08	22 57
Old brick pavement, 117 ⁴⁴ "..... ..at .05	5 87
Grading over trench for pavers, 192 cubic yards.....at .60 ⁴⁹	116 15
Percentages paid.....	286 07
Regular force—engineer, rodman, superintendence and watchman	814 90
General supplies, repairs and incidentals.....	1,032 86
Amount expended prior to January 1, 1896.....	54,630 99

Total amount expended to January 1, 1897..... \$59,107 95

SEWER IN PRIVATE ALLEY, GREENE TO PEARL STREET.

Ordinance No. 121, Approved July 27, 1896.

This sewer was begun October 30, 1896, and completed December 18, 1896. It consists of a twenty-four inch (24") terra-cotta pipe, which connects, in conjunction with the old side inlet in the east sidewalk of Pearl street just south of Franklin street, with the sewer in the bed of Pearl street. From this old inlet it extends eastwardly in the bed of a private alley four feet wide to the west kerb line of Greene street, a distance of 189³⁵₁₀₀ feet; thence it consists of a twenty inch (20") terra-cotta pipe extending across and in the bed of Greene street to the east kerb line of said street, a distance of 38¹⁰₁₀ feet. The depth of cut in excavation was from four to eight feet.

All the pipe is of the bell and spigot pattern, double strength, laid in a bed of concrete four to six inches deep,

and is backed up to a point above the springing line with concrete. The old inlet in the east sidewalk of Pearl street was for the greater part torn out and remodelled. Two inlets were built, one in the west and one in the east sidewalks of Greene street. On account of the contracted space in which the pipe had to be laid, only a small force of men could be employed to advantage.

Statement showing quantities and character of work and cost of same:

Excavation and refilling, 187 cubic yards.....at \$1.31 ⁴²	\$245 78
Laying 24-inch terra-cotta pipe in concrete, 176 lineal feet at \$1.45 ⁶⁴	256 34
Laying 20-inch terra-cotta pipe in concrete, 38 lineal feet at \$1.00 ⁵⁵	38 21
Terra-cotta pipe left over	8 22
Inlets (2).....	304 08
Regrading and repaving alley, 709 ⁸ square feet...at \$0.08 ⁸⁵	62 82
Repaving (cobblestone), 719 ¹² square feet.....at .02 ⁶⁶	19 12
Regular force—engineers, rodman and superintendent.....	424 51
Incidentals	20 05
Total expended.....	\$1,379 13

NORTH CHARLES STREET SEWER.

Ordinance No. 97, approved April 24, 1893.

This sewer was begun in December, 1893, and completed on April 21, 1896. It extends, as has been fully described in last year's report, from its outfall into Jones Falls midway between Charles street and Maryland avenue, through the Pennsylvania Railroad Company's property to the west building line of Charles street in the intersection of Lanvale street; thence northwardly in the bed of Charles street to the north kerb line of Twenty-third street, a total distance of 2,880 lineal feet, of which a section three feet nine inches in diameter and $322\frac{1}{2}$ feet in length was constructed during the year 1896. This section consists of a granite block invert nine inches in thickness, and laid to a height of about one-fourth of the diameter of the sewer, the balance of the invert and arch being of brick nine inches in thickness. The blocks were laid in Portland cement, and the bricks in domestic cement. After each section of arch was built, the earth was filled in behind it and thoroughly rammed with iron-shod rammers, so as to prevent any distortion. The ten-inch terra-cotta drain pipe that was found in the line of the trench, as noted in last year's report, continued as far

as the intersection of Twenty-second street, north of which it decreased in size to an eight-inch pipe.

There were many lateral branches connected with it from both sides, all of which were built into the brick sewer, the main drain having been removed as the sewer was being constructed. Besides the section of sewer three feet nine inches in diameter, there were constructed one man-hole nine feet in depth at the head of the sewer, and eight inlets connecting with the sewer.

Statement showing quantities and character of work and cost of same:

Excavation.....	884.5 cubic yards at \$1.17 ⁰⁶	\$ 1,035 45
Refilling.....		306 19
Brick masonry.....	89.75 cubic yards at \$8.59 ¹	771 04
Block invert.....	140.66 square " " 4.77 ⁴	671 51
Inlets (eight).....		2,372 93
Man-hole.....		40 52
Taking down, moving and erecting machinery.....		185 73
Repaving sidewalks.....		20 46
Repaving (cobblestone).....	17,856.05 square feet at \$0.03 ²⁶	582 22
Resetting kerb.....	375.19 linear " " .14 ⁵⁴	54 57
Regrading over sewer trench, 531.2 cubic yards " .65 ²³		346 54
Regular force—engineers, rodman, superintendent, carpenter and watchman.....		1,227 20
Percentages paid....		962 52
General supplies, repairs and incidentals.....		1,322 32
Amount expended prior to January 1, 1896.....		56,095 07

Total amount expended to January 1, 1897..... \$65,994 27

NORTH CHARLES STREET SEWER EXTENSION.

Ordinance No. 128, Approved August 4, 1896.

This sewer consists of a 36-inch cast-iron pipe, located on the west side of Charles street, beginning at the head of the three feet nine inch brick sewer last described, at a point fifteen feet north of Twenty-third street, and extending in Charles street to Twenty-fourth street, a distance of 362⁸⁵ feet.

From this point the sewer consists of a 30-inch cast-iron pipe, extending to the intersection of Charles street and Twenty-fifth street, a distance of 549³/₄ feet. Total length, 912⁶/₁₀ feet. Up to December 31, 1896, 750 feet of pipe was laid in place, leaving 162⁶/₁₀ feet of pipe still to be laid to complete the sewer. Two man-holes have been built in connection with this work, and one man-hole and two inlets and their connections remain to be built.

This work is being done by contract—Patrick Reddington, contractor—for the sum of \$4,350.

The work was commenced on November 27, 1896, and will probably be completed about February 1, 1897.

Expended..... \$225 94

EAGER STREET SEWER.

Ordinance No. 150, Approved October 22, 1896.

Eager street sewer will start in the bed of Eager street at its intersection with Chester street, connecting by a vertical drop of about 14 feet with the old sewer at that point, and extending along the bed of Eager street to the Union Railroad Company's property, and thence through said property and parallel with Eager street to the west side of Cannon street. The entire length, including the drop, will be of cast-iron pipe of 30, 36, 40 and 48 inches diameter, with 20-inch inlet pipes. The contract was awarded to Patrick Reddington on December 31, 1896. Work has not yet commenced, but will probably start in one week, as some special castings must be delivered before much can be done.

The amount for engineering, advertising, etc., charged to this account is \$55.10.

STOCKHOLM STREET SEWER.

Ordinance No. 166, Approved November 2, 1896.

This sewer was planned to connect with the Alluvion street sewer, now building and extend along the bed of Stockholm street to the north side of Columbia avenue. The whole length was to be of cast-iron pipe of 42, 48 and 60 inches diameter, with 20-inch inlet pipes. The contract has not been awarded.

For preparing estimates, advertising for proposals and other incidental expenses, there was expended on this work \$53.57.

PATAPSCO STREET SEWER EXTENSION.

Ordinance No. 120, Approved June 28, 1894.

Under this ordinance the following work was done:

Constructed 4 inlets at Hoffman and Cannon streets, average cost \$250 each.

Constructed 4 inlets at Preston and Cannon streets, average cost \$145 each.

Raised 1 man-hole to new grade between Biddle and Preston streets.

Raised 1 man-hole to new grade between Preston and Hoffman streets.

Repaved intersection Hoffman and Cannon streets, and remodelled corner inlets at Hoffman and Cannon streets to suit new kerb.

Amount expended..... \$1,670 29

10 per cent. reservation paid to contractors, etc... 1,721 68

\$3,391 97

STERRETT ALLEY SEWER.

Ordinance No. 76, Approved May 23, 1895.

This sewer is located in the bed of an alley about 102 feet southwest from Barre street and running parallel thereto, beginning at an opening in Chatsworth Run sewer and running to an inlet corner of said alley and Sterrett alley.

The sewer consists of 72 feet 20-inch C. I. pipe; one brick chamber 20 inches wide, 5 feet long, connecting with Chatsworth Run sewer; one chamber 20 inches wide, 10 feet long, connecting with inlet, and one inlet with 7-foot opening. Total length of sewer, including inlet, 94 feet; cost, \$624.64 = \$6.645 per foot.

IMPROVEMENT HARFORD RUN.

Ordinance No. 115, Approved May 29, 1884.

Under this ordinance the following work was done along Patapsco street, between Baltimore and Monument streets, preparatory to grading and paving the same:

Set two twelve-foot lengths twenty-inch cast-iron pipe vertically, for inlet connections at Fairmount avenue.

Laid 118 feet twenty-inch terra-cotta pipe for drainage at Fairmount avenue.

Constructed one corner and two side inlets at Fairmount avenue.

“ “ “ “ “ “ “ “ Fayette street.

“ two “ “ “ “ “ “ Orleans “

“ one “ “ “ “ “ “ Jefferson “

“ “ “ “ “ “ “ “ McElderry “

Raised one man-hole to new grade at Orleans street.

“ “ “ “ “ “ “ “ McElderry “

Put in twenty-inch cast-iron one-eighth bends and twenty-inch cast-iron pipe for inlet connections on east side Patapsco street at McElderry street, and at Jefferson street; also laid thirty feet twelve-inch terra-cotta pipe north side of Orleans street, for drainage purposes.

Amount expended, \$4,458.96.

The above amount includes advertising for materials, testing cement, etc.

HOFFMAN STREET SEWER.

Ordinance No. 74, Approved May 21, 1896.

This sewer is located in the bed of Hoffman street, beginning at end of sewer under the city's pumping station at Hopkins avenue, and running westerly to west side Broadway.

The sewer consists of 490 feet 30-inch T. C. pipe, laid in a bed of concrete, with 6 inches under and carried up to spring line of pipe; one brick chamber 48 inches wide at one end and 30 inches wide at the other, 10 feet long, connecting

with 4-foot sewer; two brick chambers with 6-inch T. C. pipe connections; two brick chambers with 12-inch T. C. pipe connections; one brick chamber, 30 inches wide, 5 feet long, connecting the lines of collar and bell pipes; used one 12 feet length 20-inch C. I. pipe and constructed 19-foot brick sewer, 20 inches wide, to connect inlet on east side Broadway with 30-inch sewer; constructed one inlet with 12-foot opening and one man-hole, 2 feet diameter, on west side Broadway; one inlet on east side Broadway with 7-foot opening. Total length of sewer, including inlets, 545 feet. Cost, \$2,350.14; average cost per foot, \$4.312 per foot.

PEARL STREET.

Resolution No. 33, Approved April 10, 1896.

Under this resolution the following work was done:

Laid twelve-inch terra-cotta pipe line from inlet corner of Fayette and Arch streets, under sidewalk and across the bed of Pearl street to east building line of Pearl street, to carry surface drainage under the bed of Pearl street. Constructed one side inlet, with six-foot opening on Fayette street at east building line of Pearl street, and put in two cast-iron gutter inlets on Pearl street, at north building line of Fayette street. Total length, including inlets, 232 feet. Cost, \$229.07 = average cost per foot, \$0.9873. Also paved brick sidewalk intersection northeast corner Pearl and Fayette streets, 168 square feet. Cost, \$17.99 = \$0.107 per square foot.

ALICEANNA STREET.

Resolution No. 33, Approved April 10, 1896.

Under this resolution the following work was done:

Laid twelve-inch terra-cotta pipe line, from inlet corner Aliceanna street and Broadway, across the market, and put in a cast-iron gutter inlet on west side market north of Aliceanna street. Length of pipe line, forty-eight feet. Cost, \$44.11 = average cost, \$0.918 per foot.

BROADWAY.

Resolution 33, Approved April 10, 1896.

Under this resolution the following work was done:

Laid 12-inch T. C. pipe line from inlet at Hoffman street to St. Joseph street under sidewalk, with C. I. alley drop at St. Joseph street, distance 238 feet; also 12-inch T. C. pipe line from chamber in 30-inch pipe sewer, located about the centre of the west driveway of Broadway, and in the bed of Hoffman street, to Oliver street, under sidewalk, with a connection, and C. I. alley drop at 20-foot alley just north of Hoffman street, and two C. I. gutter inlets at Oliver street; distance to Oliver street, including connections, 468 feet. Put in two C. I. gutter inlets at Townsend street, two at Lanvale street, two at ——— street and one at first alley south of North avenue, and connected these inlets with Bauernschmidt's drain-

pipe, which connects with the Federal street sewer; used in making connections 222 feet 12-inch T. C. pipe and 5 Y branches. Total length 12-inch pipe and connections laid, 971 feet. Cost, \$754.85 = average cost per foot, \$0.777.

Repaved brick walks at ends of park squares at Townsend street, 635 square feet; at Lanvale street, 1,257 square feet; at Oliver street, 1,235 square feet; at Federal street, 1,238 square feet; total, 4,365 square feet. Cost, \$160.58 = \$0.0368 per square foot.

Put in cement walks at ends of park squares at North avenue, 874.3 square feet; at Townsend street, 385 square feet; total, 1,259.3 square feet. Cost, \$151.12 = \$0.12 per square foot.

Inlets built during the year and cost of same:

Two inlets on the south side of North avenue at Bruce alley. Cost, \$252.73. Charged to Bruce alley sewer, Ordinance No. 79 of 1889, \$131.81, and to cross streets, Ordinance No. 94 of 1896, \$120.92.

Four inlets at the intersection of Oliver street and Carter alley, connecting with Jenkins Run sewer; built in connection with the grading and paving of Oliver street. Cost, \$834. Charged to cross streets, Ordinance No. 94 of 1896.

The following resolutions of the Mayor and City Council were carried out:

Resolution No. 99, approved July 25, 1896, to construct four inlets into the Jenkins Run sewer at the intersection of Twentieth street and the alley east of Cromwell street.

Total cost of the work..... \$853 35

Resolution No. 47, approved April 20, 1896, to "trap" inlet northwest corner Bruce alley and Presbury street.

Total cost of the work..... \$214 78

INLETS, MT. ROYAL AVENUE AND M'MECHEN STREET.

Resolution No. 33, Approved April 20, 1896.

The following four inlets were reconstructed and trapped: One in the south sidewalk of McMechen street, east of Rutter street; one in the north sidewalk of McMechen street, west of Mt. Royal avenue; one in the west sidewalk of Mt. Royal avenue, south of McMechen street, and one in the east sidewalk of Mt. Royal avenue, south of McMechen street. The first three were done by contract—P. Flanigan, contractor—and under the supervision of this department.

The traps placed at the three first-mentioned points were of the kind known as the Flanigan pattern. In consequence of the small opening and connection to the inlet in the north sidewalk of McMechen street, west of Mt. Royal avenue, another connection of terra-cotta pipe and brick, twenty inches in diameter, was made with the sewer 3 feet in

diameter in the south side of McMechen street, and the opening of the inlet in the sidewalk lengthened from seven to nine and one-half feet, and the width from one foot to two feet. On account of the obstruction caused by a twenty-four inch water-main and a twenty-inch gas-main in the bed of McMechen street, some alterations in the plan had to be made, which required an additional expenditure in excess of contract price.

The reconstruction of the inlet in the east sidewalk of Mt. Royal avenue, south of McMechen street, was done by day's labor, and a twenty-four inch plain galvanized door used in trapping it.

Expended—contract price.....	\$581 00	
“ extra.....	68 72	
	<hr/>	\$649 72
“ day's labor.....	\$34 83	
“ engineering.....	7 00	
	<hr/>	41 83
		<hr/>
		\$691 55

RECONSTRUCTION OF JENKINS RUN SEWER.

Cost Charged to Repairs of Sewers.

The flood of September 6, 1895, surcharging the old Jenkins Run sewer, caused a break about forty feet long, which occurred at the west side of Greenmount avenue, just south of North avenue.

It partially wrecked house No. 1812, and completely wrecked Nos. 1814, 1816 and 1818, through which was the driveway to the repair shed of the City and Suburban Railway, and also wrecked part of their shed and washed away part of the yard of No. 1822 Greenmount avenue. The debris from these houses dammed up the water for some distance up the stream, which flowed out through inlet openings into the streets and over the surface of Greenmount Cemetery. Immediately following the break no repairs were done, except to remove the debris, to admit of the free passage of the water through the sewer and to securely timber and brace the sides of the banks to prevent accident. Some of the wrecked houses were occupied at the time, but fortunately the tenants escaped any injury, except some of them lost nearly all their household effects.

The work of reconstructing the washed out section of sewer was begun on February 28, and completed on June 6, 1896. The section as rebuilt consists of vertical sidewalls

of rubblestone masonry, three feet thick, began at a depth of two feet below the grade line of the sewer and carried up to a height four feet above it. Upon these walls, a brick arch, thirteen and one-half inches thick, with a span of eight feet and a radius of four feet, was built and backed with the necessary rubblestone masonry to prevent any settlement. The bottom was paved with granite blocks nine inches deep, laid in Portland cement and upon a bed of concrete four to six inches deep. The length of this section was twenty-eight feet.

From this point another section twenty-five and eight-tenths feet, conical in shape, was built to a point four feet east of the west kerb line of Greenmount avenue and under the old stone culvert crossing the avenue, making a total length of fifty-three and eight-tenths feet. It was necessary to extend this section into and under the old culvert for a distance of about seventeen feet, as the culvert was damaged that far in.

The old stone culvert is an arch seventeen feet span, eight and one-half feet radius and with vertical side walls three feet in height. The end of the conical section consists of vertical side walls three feet in height, from which springs a brick arch, four rings eighteen inches thick, with a span of thirteen feet and a radius of six and one-half feet.

All the interstices between the new and old arches were filled solid with brick and rubblestone laid in cement. The bottom of this section was also paved like the first.

East from this point for a distance of sixty-three feet the bottom of the old sewer was cleaned out and paved with granite blocks and rubblestone from nine to twelve inches deep, all laid in Portland cement. Westwardly from the new section of sewer the rotten wooden flooring of the old stone sewer was torn out for a distance of 126 feet, the vertical walls on either side underpinned with rubblestone masonry, eighteen inches thick and one foot deep; the bottom then replaced with granite blocks laid in Portland cement; the interstices of the side walls and of the arch all filled in with spawls and the surface then plastered with Portland cement. Nearly all the sand for mixing the cements was obtained in the old sewer.

Statement showing quantities and character of work and cost of same:

Excavation, 117 cubic yards.....	at \$0.67.....	\$ 78 39
Stone masonry, 136 ⁴⁵ cubic yards.....	at 3.74 ⁶⁷	511 25
Brick masonry, 43 ⁵⁵ cubic yards.....	at 6.95 ²	303 31
Block pavement, including the underpinning of side walls, 290 ⁰⁴ square yards.....	at 4.01 ²⁴	1,163 75
Concrete masonry, 24 ³⁴ cubic yards.....	at 3.94.....	95 85
Lumber, center ribs, oil, gasoline and hardware.....		111 10
Refilling.....		3 50
Regular force—engineers, rodman superintendence and watch- man.....		561 80
Total amount expended.....		\$2,828 95

GENERAL REPAIRS OF SEWERS.

Central avenue and Pratt street.....	\$ 9 58
“ “ “ Bank street.....	5 70
“ “ “ Fawn street.....	13 45
“ “ “ Jackson street.....	7 31
“ “ “ Lexington street.....	10 16
“ “ “ Fairmount avenue.....	11 56
“ “ “ High alley.....	9 16
“ “ “ Watson street.....	15 24
“ “ “ Fayette street.....	3 27
“ “ “ Gough street.....	4 50
Pearl street near Franklin street.....	1 67
Monument street near Eden street.....	1 48
Caroline and Madison streets.....	8 95
Gorsuch avenue and Garrison lane.....	24 16
Myrtle avenue and Sarah Ann street.....	1 67
Saratoga and Holliday streets.....	52 55
Independent and Jefferson streets.....	2 01
Gay and Monument streets.....	2 95
Lanvale street and Pennsylvania avenue.....	1 85
Gay street opposite Mott street.....	2 44
1045 West Lexington street, front of.....	2 58
Carey and Lombard streets.....	1 75
Myrtle avenue opposite Greenwillow street.....	7 35
Penn street and Bankard alley.....	88
Calvert street and Mt. Royal avenue.....	2 88
Rear of 421 North Eden street.....	20 58
673 Vine street.....	2 58
Eden and Lombard streets.....	2 87
Druid Hill avenue and Laurens street.....	41 08
Hoffman street and Argyle avenue.....	1 67
Lombard and Schroeder streets.....	1 75
Washington and Aliceanna streets.....	48 27
“ “ Chapel streets }	5 97
“ “ Federal streets }	
Broadway and Lancaster street.....	6 37
432 East Cross street.....	29 57
Caroline street near Lancaster street.....	2 43
Mulberry and Howard streets.....	4 29
Eastern avenue and Patapsco street.....	97 88
Ann and Eager streets.....	5 08

Division street near Laurens street.....	11 00
751 Calhoun street.....	8 60
Dolphin street and Mt. Royal avenue.....	2 87
Eden and Pratt streets.....	42 94
Grant and German streets.....	23 84
Dolphin and Bolton streets.....	4 02
Raborg street near Schroeder street.....	8 14
1649 Barnes street.....	19 52
Pratt street near Central avenue.....	45 37
Front and Low streets.....	2 25
Chester street and North avenue.....	36 51
Rear of 203 North Arlington avenue.....	12 93
Albemarle street and Hammond alley.....	6 00
Barre street and Spring alley.....	1 80
Greenmount avenue and Monument street.....	17 45
Light and Lee streets.....	14 13
Wolfe and Oliver streets.....	7 57
Bond and Abbott streets.....	3 78
Arch and Josephine streets.....	4 25
Biddle and Tessier streets.....	9 23
Madison and Caroline streets.....	5 55
Camden and Howard streets.....	1 85
Calhoun street and Rice alley.....	8 72
Biddle and Wolfe streets.....	1 30
Race and West streets.....	7 30
Lexington street west of Park avenue.....	7 37
Eden and Jefferson streets.....	2 63
Cross street near Charles street.....	5 27
Rear of 635 North Eden street.....	7 35
High and Fayette streets.....	4 28
Eager street and Hopkins avenue.....	22 53
Pratt and Mill streets.....	11 73
Light and Balderston streets.....	4 80
2302 Boston street.....	11 92
Hopkins avenue and Barnes street.....	5 87
Madison street and Morton alley.....	2 95
Centre and Davis streets.....	32 89
Harrison and Gay streets.....	4 25
Lovegrove alley between Lafayette avenue and Lanvale street.....	281 81
Jenkins Run sewer at Greenmount avenue.....	2,828 95
Engineering, transportation and incidentals.....	431 33
Total amount expended.....	\$4,448 34

Statements showing quantities, cost, etc., in connection with streets, paved and repaved, during the year 1896, will be found in table appended to this report.

The following streets for which ordinances have been passed for grading, paving, etc., have been surveyed and assessments for their cost are being prepared:

Carey, Presstman to North avenue: Ordinance No. 151, approved October 22, 1896.

Calhoun, Presstman to Baker: Ordinance No. 161, approved November 2, 1896.

Mount, Northwest street to North avenue: Ordinance No. 165, approved November 2, 1896.

Northwest street, Calhoun to Fulton: Ordinance No. 159, approved November 2, 1896.

North avenue, Greenmount avenue to Washington street: Ordinance No. 123, approved July 27, 1896.

Hamburg street, from Riverside avenue to Federal Hill Park, to grade, pave and kerb: Ordinance No. 101, approved June 11, 1893.

EXPENDITURES.

Engineering.....	\$176 57
Advertising.....	76 69
	<hr/>
	\$253 26

Andre street, from Clement street to Marriott street, to grade, pave and kerb: Ordinance No. 162, approved May 12, 1893.

EXPENDITURES.

Engineering.....	\$34 00
Advertising.....	19 89
	<hr/>
	\$53 89

Beason street, from Andre street to Hull street, to grade, pave and kerb: Ordinance No. 163, approved May 12, 1893.

EXPENDITURES.

Advertising.....	\$26 85
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Beason street, from Andre street to Stewart street, to grade, pave and kerb: Ordinance No. 90, approved May 18, 1894.

EXPENDITURES.

Engineering.....	\$132 20
Advertising.....	27 29
	<hr/>
	\$159 49

Bayard street, from Columbia avenue to South Paca street, to grade, pave and kerb: Ordinance No. 93, approved May 18, 1894.

EXPENDITURES.

Engineering.....	\$96 00
Advertising.....	21 05
	<hr/>
	\$117 05

Covington street, from Fort avenue to Wells street, to grade, pave and kerb: Ordinance No. 127, approved July 3, 1894.

EXPENDITURES.

Engineering.....	\$312 83
Advertising.....	23 10
	<hr/>
	\$335 93

Marshall street, from Fort avenue to Beverly street, to grade, pave and kerb: Ordinance No. 137, approved May 9, 1893.

EXPENDITURES.

Engineering.....	\$56 00
Advertising.....	22 50
	<hr/>
	\$78 50

Luzerne street, from Baltimore street to Fayette street, to grade, pave and kerb: Ordinance No. 144, approved September 28, 1896.

EXPENDITURES.

Advertising.....	\$20 52
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CROSS STREETS.

Ordinance No. 94, Approved May 15, 1896.

Under this ordinance the following brick sidewalks inter-sections have been paved:

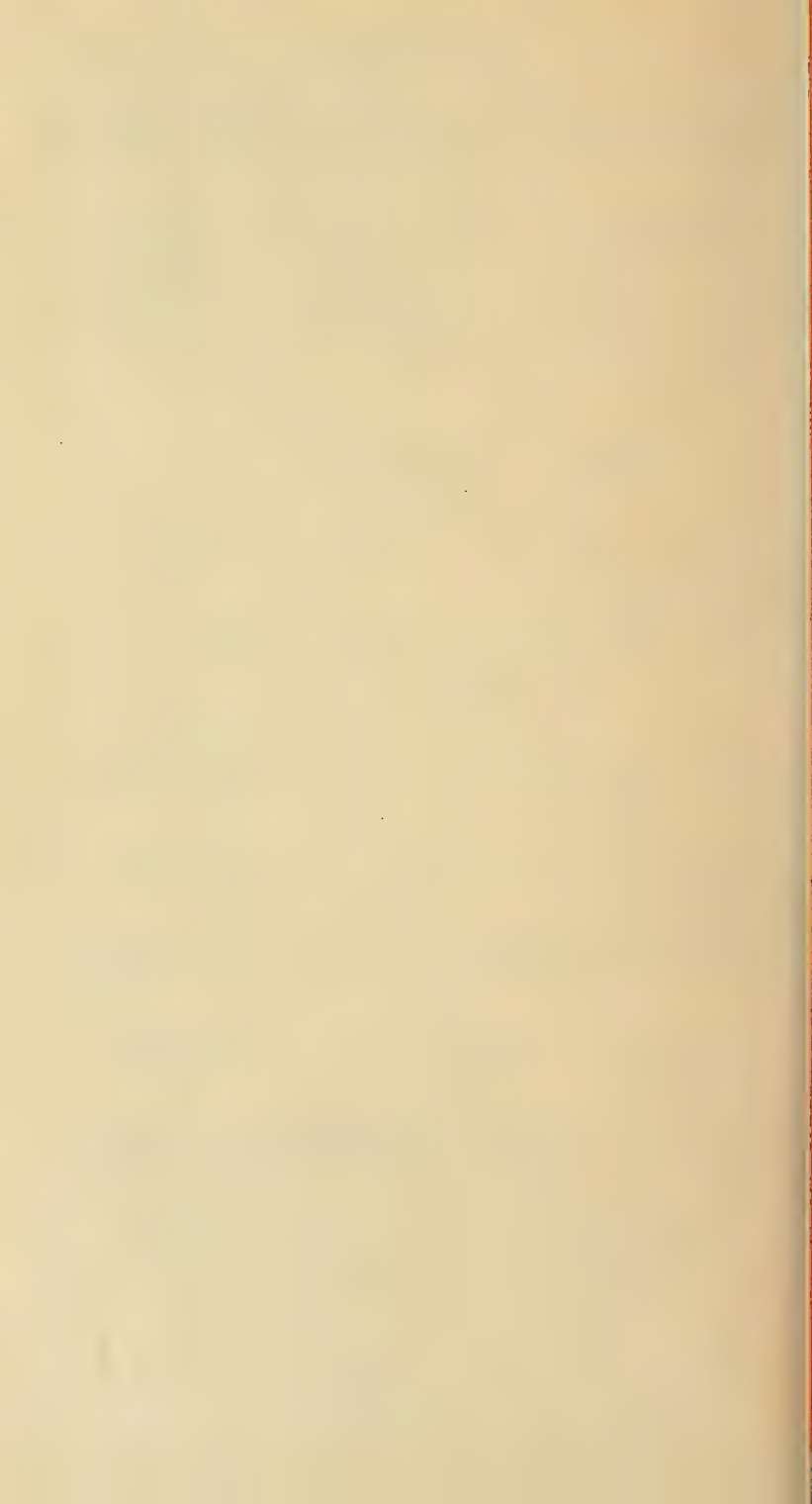
Biddle and Chester streets.....	287	square feet.
Eager and Chester streets.....	405	" "
Preston and Chester streets.....	186	" "
" " Patterson Park avenue.....	560	" "
Whitelock street and North avenue.....	267	" "
" " " Druid Hill avenue.....	64	" "
" " " McCulloh street.....	356	" "
" " " Madison avenue.....	81	" "
" " " Eutaw Place.....	300	" "
" " " Linden avenue.....	338	" "
Oliver and Aisquith streets.....	156	" "
" " Harford avenue.....	565	" "
" " Central avenue.....	120	" "
" " Old Harford road.....	208	" "
Broadway and Hoffman street.....	335	" "
Preston and Spring streets.....	113	" "
Pearl and Fayette streets.....	57	" "
Aisquith and Federal streets.....	156	" "
Harford avenue and Federal street.....	260	" "
Lamont avenue and Federal street.....	165	" "
	<hr/>	
	4,979	" "

Cost, \$489.67=\$0.0982 per square foot.

Yours respectfully,

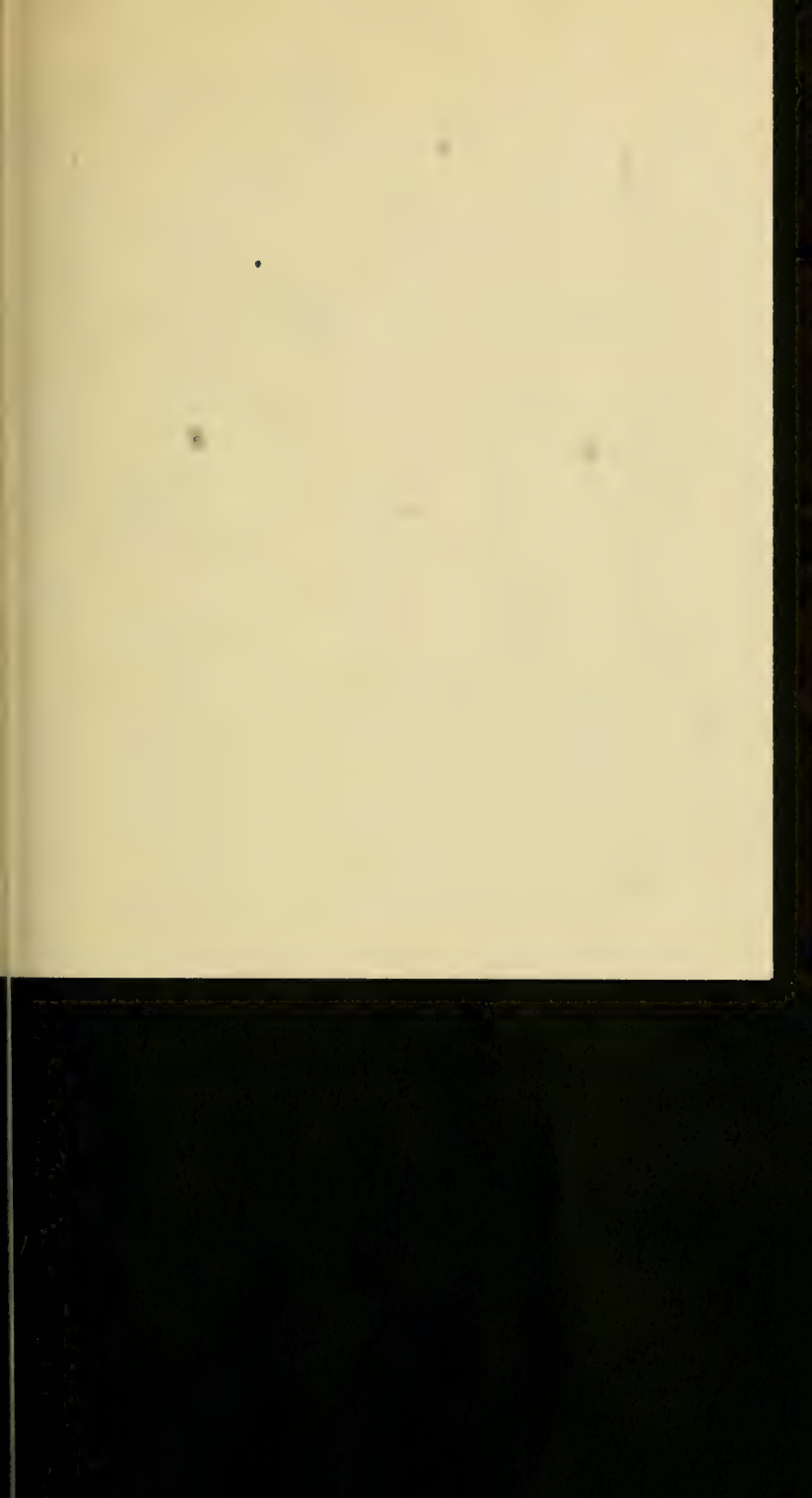
NEWTON M. GRAY,

Assistant City Commissioner.



STREETS PAVED DURING 1896.

STREET.	STREET FROM.	STREET TO.	LENGTH LINEAR FEET.	KIND OF PAVING COBBLE.		COST PER SQUARE FOOT.		NUMBER OF ORDINANCE.	PAID BY.	NAME OF CONTRACTOR.	COMMENCED.	COMPLETED.
				New. Square Feet.	Repaving. Square Feet.	New. Cents.	Repaving. Cents.					
Eastern avenue.....	Luzerne.....	Eastern city limits.....	2,388	64,756	1,307	\$.08½	\$.04	203, June 26, 1893.....	Assessment.....	Patrick Reddington.....	December 3, 1895.....	March 31, 1896.
Johnson.....	Randall.....	Wells.....	1,112	36,300	9,374	.05½	.02½	168, May 31, 1894.....	".....	Patrick Reddington.....	February 28, 1896....	May 20, 1896.
Luzerne.....	Eastern avenue.....	Canton avenue.....	315	13,594	91	.06¾	.03	97, June 7, 1895.....	".....	Schneider & Sons.....	March 23, 1896.....	May 16, 1896.
Jefferson.....	Patterson Park avenue..	Milton avenue.....	758.6	22,594	3,180	.07	.03	88, June 3, 1895.....	".....	James P. McGovern....	April 20, 1896..	May 20, 1896.
Rose.....	Fait avenue.....	Foster avenue.....	328	7,368	934	.07	.02½	114, June 24, 1895.....	".....	Owen Malone & Co.....	May 14, 1896.....	June 23, 1896.
McCulloh.....	North avenue.....	Park Terrace.....	1,855	41,858	3,967	.06	.02¾	69, May 11, 1894.....	".....	James P. McGovern....	May 6, 1896.....	June 26, 1896.
Cannon.....	Fait avenue.....	Eastern avenue.....	1,070	42,812	7,597	.07½	.03½	75, May 22, 1895.....	".....	M. F. Leonard.....	May 2, 1896.....	July 24, 1896.
Riggs avenue.....	Fremont.....	Calhoun.....	1,279	48,755	9,161	.06	.03	11, March 8, 1895.....	".....	Patrick Reddington....	June 28, 1896.....	August 4, 1896.
Montford avenue.....	Baltimore.....	Monument.....	2,455	45,262	15,975	.07	.03	109, June 18, 1895.....	".....	James P. McGovern....	June 28, 1896.....	August 25, 1896
Intersection.....	Canton avenue and.....	Luzerne.....	70	4,061	6,529	.07½	.03	Resolution 83, June 18, 1896.....	".....	C. J. Philbin & Co.....	July 22, 1896.....	September 1, 1896.
Patapasco.....	Baltimore.....	Monument.....	2,455		100,506		.03	47, March 27, 1896.....	".....	Patrick Reddington....	July 26, 1896.....	November 4, 1896.
Milton avenue.....	Orleans.....	Monument.....	1,134	47,490	1,271	.06¼	.03	90, June 3, 1895.....	".....	Schneider & Sons.....	August 23, 1896.....	October 26, 1896.
Clement.....	Garrett avenue.....	Hull.....	985	33,231	4,737	.07	.03	125, July 3, 1894.....	".....	Patrick Reddington....	September 6, 1896....	October 15, 1896.
Barclay.....	North avenue.....	Twenty-first.....	771	10,900	9,144	.06¾	.03½	196, May 25, 1893.....	".....	M. J. Flannery.....	September 20, 1896...	October 28, 1896.
Luzerne.....	Fayette.....	McElderry.....	1,231	32,440	24,989	.06	.03	48, March 27, 1896.....	".....	Patrick Reddington....	October 4, 1896.....	November 27, 1896.
Federal.....	Aisquith.....	Eden.....	709	14,400	6,484	.06¾	.02¾	189, May 25, 1893.....	".....	M. F. Leonard.....	October 18, 1896.....	December 23, 1896.
McElderry.....	Montford avenue.....	Milton avenue.....	330	1,962	12,955	.06¼	.03	94, May 15, 1896.....	".....	Schneider & Sons.....	October 20, 1896.....	November 5, 1896.



STATEMENT OF STREETS PAVED, 1896.

STREET.	STREET FROM.	STREET TO.	LENGTH LINEAR FEET.	KIND OF PAVING.						COST PER SQUARE FOOT OR YARD.		NUMBER OF ORDINANCE.	PAID BY.	NAME OF CONTRACTOR.	COMMENCED.	COMPLETED.	REMARKS.
				COBBLE.		BELGIAN BLOCK.		ASPHALT BLOCK. SQUARE YARDS.	SHEET ASPHALT. SQUARE YARDS.	New. Cents.	Repaving. Cents.						
				New. Square Feet.	Repaving. Square Feet.	New. Square Yards.	Repaving. Square Feet.										
Brevard.	Biddle.	Preston.	415	10,404	4,776					\$.05½	\$.02½	191, May 29, 1895.	Assessment	Patrick Reddington.	April 23, 1896.	May 12, 1896.	
Chase.	Castle.	Patterson Park avenue.	900	33,281	1,188					.06½	.03	103, June 11, 1895.	"	A. Schneider & Sons.	April 7, 1896.	August 28, 1896.	
Cannon.	Monument.	Oliver.	2,250	89,668	6,312					.07	.03	100, June 10, 1895.	"	James P. McGovern.	November 6, 1895.	Unfinished	
Oliver.	Guilford avenue.	Greenmount avenue.	917	37,500	820	21	561			.06½	.02½	177, May 22, 1893.	"	Patrick Keelty.	September 4, 1896.	December 7, 1896.	
Oliver.	Aisquith.	Harford avenue.	350	13,308	438					.06½	.02½	178, May 22, 1893.	"	M. F. Leonard.	September 21, 1896.	November 2, 1896.	
Intersection.	Oliver.	Harford and Central aves.		4,217	3,577					.06	.03	Resolution 109, September 3, 1896.	"	M. F. Leonard.	October 16, 1896.	November 2, 1896.	
Aliceanna.	Caroline.	Boston.	2,933		19,998	12,330				1.93	.04½	Resolution 33, April 10, 1896.	Loan	Isaac S. Filbert.	June 25, 1896.	October 26, 1896.	
Broadway.	Preston.	North avenue	2,406		13,968				15,365	1.79	.04	Resolution 33, April 10, 1896.	"	Southern Asphalt Co.	July 15, 1896.	October 5, 1896.	
Earl.	Baltimore.	Saratoga	1,135		1,752			4,511		2.11	.04	Resolution 33, April 10, 1896.	"	Jones, Pollard & Co.	August 17, 1896.	October 9, 1896.	
Chester.	Eager.	Biddle.	770	35,398	181					.06½	.03	89, June 3, 1895.	Assessment	A. Schneider & Sons.	June 17, 1896.	September 10, 1896.	
Preston.	Chester.	Patterson Park avenue.	713	28,388	59					.07½	.03	102, June 11, 1895.	"	Patrick Keelty.	October 18, 1895.	March 2, 1896.	
Preston.	Patterson Park avenue.	Potomac.	1,880	71,040						.07½		106, June 14, 1895.	"	Patrick Keelty.	January 21, 1896.		Completed to Chesapeake street
Preston.	Gay.	Washington.	427	13,424	4,191					.05½	.02½	104, May 1, 1893.	"	Patrick Keelty.	February 10, 1896.	March 2, 1896.	
Whitelock.	Linden avenue.	North avenue.	1,990	67,119	7,268					.07½	.03½	111, May 19, 1895.	"	Patrick Keelty.	April 14, 1896.	September 3, 1896.	
Wolfe.	Biddle.	Gay.	662	27,612						.05½		105, May 1, 1893.	"	Patrick Keelty.	February 10, 1896.	April 17, 1896.	
Spring.	Preston.	Hoffman.	347	6,887	1,171					.06	.03	174, May 22, 1893.	"	Patrick Reddington.	November 10, 1896.	November 27, 1896.	
Lauvade.	Bond.	Broadway		2,759	764					.07	.03	92, May 18, 1894.	"	Patrick Reddington.	November 10, 1896.	November 17, 1896.	

REPORT OF O. W. CONNET, Ass't City Commissioner.

CITY COMMISSIONER'S OFFICE,

BALTIMORE, January 1, 1897.

Col. W. A. Hanway, City Commissioner:

DEAR SIR: I herewith submit the annual report of work done under the direction of this office.

This includes the paving with improved pavement on five streets, the repairs of paved streets, repairs of unpaved streets, repairs of bridges, and general repairs of flagstones, gutters, kerbs, footways, etc.

The work of the year was practically completed when I took charge of the office on December 14, 1896, having been done under the direction of my predecessor, Mr. Howard D. Coale.

IMPROVED PAVEMENT.

During the year improved pavements were laid on York street, Eutaw Place, Mt. Royal avenue, Fulton avenue, and McCulloh street.

York street, under authority of Ordinance No. 12, approved March 3, 1896, appropriating nine thousand dollars (\$9,000), was repaved with granite block of the following limiting dimensions: Length, from four to twelve inches; thickness, from three to six inches; depth, from six to seven inches. The foundation was six inches of sand; the joints were filled with sand, and the blocks were thoroughly rammed. The old $4\frac{1}{2}$ -inch kerb was removed and 6-inch kerb substituted. The work extends from a line 14.78 feet east of east kerb line of Light street to a line 9.63 feet east of west kerb line of Johnson street. Source of payment—levy for 1896. Westham Granite Company, contractors. Work was begun May 29, and was completed June 23, 1896. The work is guaranteed for five years from June 26, 1896.

The cost of the work was as follows:

Westham Granite Co.—Final Estimate.

Setting and resetting kerb, 1,307.41 linear feet, at \$0.10	\$ 130 74
Mosaic block paving, 2,617.61 sq. yds., at 1.56	4,083 47
Cobble repaving, 2,975.56 " ft., at .025	74 39
Extra work.....	48 19
	<hr/>
	\$4,336 79
Less 10 per cent. retained for five years.....	433 69
	<hr/>
	\$3,903 11
Credit 2,660.34 square yards old material, at \$0.045.....	119 72
	<hr/>
Amount paid Westham Granite Co.....	\$3,783 39
" " Star Granite Co. for kerb.....	796 95
" " for pay-rolls.....	78 00
" " " advertising, hauling, etc.....	168 81
	<hr/>
Total expenditure.....	\$4,827 15
Appropriation	\$9,000 00
Expenditure.....	4,827 15
	<hr/>
	\$4,172 85
Amount transferred to bridge repairs.....	3,500 00
	<hr/>
Unexpended balance.....	\$672 85

Mount Royal avenue, from the north kerb line of Dolphin street to the south kerb line of Lanvale street, under authority of Ordinance No. 62, approved April 20, 1896, appropriating forty thousand dollars (\$40,000), was paved with granite blocks with the following limiting dimensions, viz.: Length, from 8 to 12 inches; thickness, from 3 to 4 inches; depth, from 6 to 7 inches. The blocks were laid on 3 inches of sand, on an old bed of gravel; the courses run at an angle of about 74° from the direction of the kerb line; the joints were nearly filled with hot dry gravel and each block rammed separately; the joints were then filled with a paving cement composed of 20 parts of refined Trinidad asphalt, 3 parts residium oil and 100 parts of coal tar No. 4, heated to 300° Fahrenheit. The old 4½-inch kerb was replaced with 6-inch kerb. Isaac S. Filbert, contractor. Work was begun July 20 and was completed September 8, 1896, and is guaranteed for five years from September 8, 1896.

From the south kerb line of Lanvale street to the south flagstone crossing of North avenue was paved with asphalt blocks, the foundation for which was 3 inches of sand on an old foundation of gravel, and the old 4½-inch kerb was replaced with 6-inch kerb. Jones, Pollard & Co., contractors. Work was begun August 21 and was completed October 26, 1896, and is guaranteed for five years from October 26, 1896. Source of payment—tax levy, 1896.

The cost of the work was as follows:

Isaac S. Filbert.—Final Estimate.

Belgian block paving.....	2,339.16 sq. yds. at \$2.19..	\$5,122 76
Slag " "	98.94 " " 2.19..	216 68
6-inch kerb set.....	801.09 lin. ft. " .15..	120 16
6 " " reset.....	185 " " .10..	18 50
4½ " " "	10 " " .18..	1 80
Cobble repaving.....	4,257.78 sq. ft. " .05..	212 89
Flagstone reset.....	921.78 " " .10..	92 18
4½-inch kerb hauled to Patapsco street.....	801.09 lin. ft. " .07..	56 08
		<hr/>
		\$5,841 05
Less 10 per cent. retained for 5 years.....		584 11
		<hr/>
		\$5,256 94
Deduct cobbles purchased by contractor.....		84 74
		<hr/>
		\$5,172 20
Deduct amount charged to Patapsco street, Ordinance No. 47, 1896.....		56 08
		<hr/>
Amount paid Isaac S. Filbert.....		\$5,116 12
" " " " extra work.....		71 73

Jones, Pollard & Co.—Final Estimate.

Asphalt block paving..	11,546.74 sq. yds. at \$2.0643..	\$23,835 94
Setting 6-inch kerb....	2,373.20 lin. ft. " .10 ..	237 32
Resetting, etc., old 6 inch kerb.....	298.85 " " .15 ..	44 83
Cobblestone repaving..	7,080.41 sq. ft. " .04 ..	283 22
Resetting 4½-inch kerb..	82.50 lin. ft. " .08 ..	6 60
Parking kerb reset....	270 " " .10 ..	27 00
		<hr/>
		\$24,434 91
Less 10 per cent. retained for 5 years.....		2,443 49
		<hr/>
		\$21,991 42
Extra work.....		677 45
Less cobbles purchased by contractors, 33,993.51 sq. ft. at \$.015		509 92
		<hr/>
		\$22,158 95
Deduct 18 days' overtime at \$25.....		450 00
		<hr/>
		\$21,708 95
Deduct amount charged to Patapsco street.....		344 91
		<hr/>
Amount paid Jones, Pollard & Co.....		\$21,364 04
" " Star Granite Co. for kerb		2,263 01
" " for pay-rolls.....		195 00
" " " hauling, removing lamps, etc.....		85 92
		<hr/>
Total expenditure.....		\$29,095 82
Appropriation.....		\$40,000 00
Expenditure.....		29,095 82
		<hr/>
Unexpended balance.....		\$10,904 18

Fulton avenue, under authority of Ordinance No. 59, approved April 20, 1896, appropriating thirty thousand dollars (\$30,000), was repaved with new asphalt blocks laid on a foundation of 2 inches of sand on 5 inches of gravel for a distance of 181.55 feet, between Lexington and Saratoga streets; for a distance of 224.2 feet, between Franklin street and Edmondson avenue; the entire length of east driveway from a line 9 feet north of north kerb line of Edmondson avenue to a line 4 feet north of north kerb line of Presstman street; west driveway, from a line 9 feet north of north kerb line of Edmondson avenue to a line 24 feet north of north kerb line of Harlem avenue, and from the north kerb line of Patterson avenue to a line 4 feet north of south kerb line of Presstman street, and was repaired wherever necessary with old asphalt blocks taken from the bed of the street. Source of payment, tax levy of 1896. Jones, Pollard & Company, contractors. Work was begun July 20 and was completed December 1, 1896. The new work is quaranteed for five years from December 3, 1896.

The cost of the work was as follows:

Jones, Pollard & Co.—Final Estimate.

Asphalt blocks.....	12,165.92 sq. yds. at \$2.1795....	\$26,515 62
Less 10 per cent. retained for 5 years.....		2,651 56
		<hr/>
		\$23,864 06
Asphalt block repairs	2,024.04 sq. yds. at \$0.50....	1,012 02
Cobble repairs.....	1,949.52 sq. ft. " .04....	77 98
Kerb reset, brick intersections, etc..		60 04
		<hr/>
Amount paid Jones, Pollard & Co.....		\$25,014 10
" " for pay-rolls.....		606 76
" " " transportation, advertising, etc....		63 53
		<hr/>
Total expenditure.....		\$25,684 39
Appropriation.....		\$30,000 00
Expenditure.....		25,684 39
		<hr/>
Unexpended balance...		\$4,315 61

McCulloh street, from south side of Biddle street to west side of Eutaw street, under authority of Ordinance No. 60, approved April 20, 1896, appropriating fifteen thousand dollars (\$15,000), was graded, kerbed with 6-inch kerb and paved with asphalt blocks laid on a foundation of 2 inches of sand on 5 inches of gravel. Source of payment, tax levy of 1896. Maryland Pavement Company, contractors. Work

was begun October 6, 1896, and was completed December 15, 1896, and is guaranteed for five years from December 26, 1896. The cost of the work was as follows:

Maryland Pavement Company—Final Estimate.

Asphalt blocks laid.	4,070.87 sq. yds....at	\$2.02	\$8,223 16
Cobbles relaid.....	7,337.77 sq. ft.....at	.0225....	165 10
6-inch kerb set.....	1,643.11 lin. ft....at	.08	131 45
6-inch kerb reset.....	514.80 lin. ft....at	.10	51 48
4½-inch kerb reset.....	186.32 lin. ft....at	.06	11 18
Belgian blocks relaid.....	1,333.92 sq. ft....at	.015	20 01
Excavation.....	3,716.15 cu. yds....at	.30	1,114 85
			<hr/>
			\$9,717 23
Deduct cobbles bought by contractor.....	7,031.4 sq. ft....at	.02	140 63
			<hr/>
			\$9,576 60
Less 10 per cent. retained for 5 years			957 66
			<hr/>
			\$8,618 94
Extra work.....			166 83
			<hr/>
Amount paid Maryland Pavement Company.....			\$8,785 77
“ “ Star Granite Company for kerb			918 10
“ “ for pay rolls			286 43
“ “ William F. Weller for kerb			220 97
“ “ William H. Johnson for circles.....			206 67
“ “ I. H. Peddicord & Sons for gutterstones			31 92
“ “ hauling, advertising, etc.			129 46
			<hr/>
Total expenditures.....			\$10,579 32
Appropriation ..			\$15,000 00
Expenditure			10,579 32
			<hr/>
Unexpended balance for 1896.....			\$4,420 68

Eutaw Place was paid for out of the appropriation for Repairs of Paved Streets, and will be noted under that head.

REPAIRS OF PAVED STREETS.

Ordinance No. 94 appropriated \$30,000 for repairs of paved streets, and to this was added \$1,000 from the Mayoralty fund, making in all \$31,000. Out of this amount \$16,082.41 was expended on repairs of asphalt pavements on Eutaw Place, Centre Market space, St. Paul street bridge, and around the City Hall, as noted below.

In connetion with the paving of Luzerne, Johnson, Jefferson, McCulloh and Rose streets and Montford avenue with cobblestone, \$1,133.94 was expended, and is accounted for in connection with reports on these streets; \$424.80 was used in removal of poles; \$1,474.99 was used in connection with

the removal of the City and Suburban Railway tracks from Cedar avenue, Holliday street and Frederick avenue, and repaving of the latter street.

An unexpended balance of \$105.98 reverted back to the treasury; this leaves only \$11,777.88, which was spent on the general repairs of paved streets.

Of the last item \$9,598.20 was spent for labor; \$1,267.27 for material, and \$912.41 for miscellaneous items.

The asphalt pavement around the markets was in such bad condition that repairs were ordered, the contractor agreeing to wait for his pay till the money is appropriated.

The work was carried on until the bad weather made it impracticable to continue.

The amount necessary to complete this work will be about \$13,000.

This should be made the subject of a special appropriation, and not taken from the general appropriation for repairs of paved streets.

Following is a description of the character and cost of repairs of asphalt pavements, and a table showing the locations, amount and character of work done under the general repairs of paved streets:

ASPHALT BLOCK WORK.

Eutaw Place, west driveway, was repaved where necessary from north side of Dolphin street to south side of Laurens street, and from north side of Bloom street to south side of North avenue, with old asphalt blocks selected from among those taken from the bed of the street. From the north kerb line of Laurens street to the north kerb line of Bloom street was repaved with new asphalt blocks, the foundation for which is 2 inches of sand on 5 inches of gravel. The work from Laurens street to Bloom street is guaranteed for five years from July 21, 1896. Source of payment, repairs of paved street. Jones, Pollard & Co., contractors. Work was begun June 18, and was completed July 18, 1896.

The cost of the work was as follows:

Jones, Pollard & Co.—Final Estimate.

New asphalt blocks.....	3,855.39 square yards at \$1.75....	\$6,746 93
Old " "	1,845.01 " " at .50....	922 51
Cable repaving.....	1,276.36 square feet at .04....	51 05
		<hr/>
	Less 10 per cent, retained for five years from new work..	\$7,720 49
		<hr/>
Amount paid Jones, Pollard & Co.....		\$7,045 80
" " for pay-rolls.....		46 92
		<hr/>
Total expenditure.....		\$7,092 72

SHEET ASPHALT WORK.

St. Paul Street Bridge—The entire roadway was stripped of old asphalt and covered with $1\frac{1}{2}$ -inch binder and $1\frac{1}{2}$ -inch topping by the Southern Asphalt Co. Work commenced August 10, and was completed August 14, 1896. Cost of work was as follows:

Southern Asphalt Company.—Final Estimate.

Old material removed.....	2,576.54 square yards at \$0.19....	\$ 489 54
Asphalt binder in place.....	2,843 " " at .45....	1,279 35
" surface guaranteed....	2,724.38 " " at .73....	1,988 80
		<hr/>
		\$3,757 69

Source of payment—repairs of bridges.....	\$ 988 22
“ “ “ “ paved streets.....	2,769 47
<hr/>	
	\$3,757 69

Calvert street bridge was repaired August 14, 1896, there being only a few holes to be resurfaced. Work was done by the Southern Asphalt Co., and amounted to the following:

Old material removed.....	6.46 square yards at \$0.19....	\$ 1 23
Asphalt surface not guaranteed..	15.98 " " at .66....	10 55
		<hr/>
		\$11 78

Source of payment—Repairs of bridges.

Centre Market Space—The east driveway from south side of Water street to north side of Lombard street, and from south side of Lombard street to north side of Pratt street, and west driveway, from south side of Water street to a line 102 feet north of north kerb line of Lombard street, were entirely renewed, and numerous patches of various sizes were made to the surface of west driveway, between Baltimore and Pratt streets. Source of payment, repairs of paved streets. Southern Asphalt Company, contractors. Work begun August 31, and was completed October 1, 1896. Cost of work was as follows:

Southern Asphalt Company.—Estimate.

Asphalt surface, 1½ inches, guaranteed, 2,647.75 sq. yds. at 73c..	\$1,932 86
“ 1½ inches, not guaranteed, 651.40 sq. yds. at 66c..	429 92
Binder 3,209.15 sq. yds. at \$0.45.....	1,444 12
Concrete 296.81 sq. yds. at .65.....	192 93
Old material removed, 2,763.50 sq. yds. at .19.....	525 07
	<hr/>
	\$4,524 90

Streets Around and Adjacent to City Hall—Lexington street, from east side of North street to west side of Holliday street, was entirely resurfaced, and parts of Holliday street, Fayette street, North street and Lexington street were entirely resurfaced in some places and patched in others. Source of payment, repairs of paved streets. Southern Asphalt Company, contractors. Work begun September 26, and was completed October 23, 1896. Cost of work, including small amount of patching on Broadway at intersection of Preston street, was as follows:

Southern Asphalt Company.—Final Estimate.

677.61 square yards asphalt surface, 2 inches thick, guaranteed, at 91c.....		\$616 63
587.79 square yards asphalt surface, 2 inches thick, not guaranteed, at 87c.....		511 38
139.88 square yards asphalt surface, 1½ inches thick, not guaranteed, at 66c.....		92 32
38.96 square yards binder, 2 inches thick.....at \$0.60...		23 38
217.06 square yards binder, 1½ inches thick... ..at .45....		97 68
121.22 square yards concrete base.. ..at .65....		78 80
1,358.19 square yards old material removed.....at .19....		258 06
6.63 cubic yards excavation.....at .50....		3 31
15 loads Belgian blocks hauled.. ..at .30....		4 50
At Broadway, intersection of Preston street:		
9.11 square yards 2-inch topping.....at .87....		7 93
7 square yards old material removed.....at .19....		1 33
Total expenditure.....		\$1,695 32

GENERAL REPAIRS.

Location and Amount of Work and Materials Used.

STREET.	Kerb Reset. Linear Feet.	Gutter Set. Linear Feet.	Flags Reset. Square Feet.	Cobble Paving. Square Feet.	Block Paving. Square Feet.	Asphalt Block Pav- ing. Square Feet.	Brick Paving. Square Feet.	Gutter-plates Repaired.	Three-foot Gutters Set. Linear Feet.
Albemarle.....			48						
Anity		4		677					
Ann.....		14		181					
Baltimore.....	5	131	42	1,147	624		10	1	
Bank.....		288	18	3,838			18		
Barre.....	14			21			28		
Bethel.....	17	27		1,001					
Beverly.....		40		309					
Biddle.....	328	112		4,043	34			1	
Bond.....							2		
Boston.....		46			430		88		
Bowly's Wharf.....			30	335					
Broadway.....		7		1,136	93		42		
Calhoun.....				196					
Calvert.....	11	19	134	749	449			3	
Camden.....	31			112					
Canton.....	30								
Carey.....	20	53	39	1,071			48		
Castle.....		16		84			32		
				1,484					

GENERAL REPAIRS—Continued.

STREET.	Kerb Reset. Linear Feet.	Gutter Set. Linear Feet.	Flags Reset. Square Feet.	Cobble Paving. Square Feet.	Block Paving. Square Feet.	Asphalt Block Pav- ing. Square Feet.	Brick Paving. Square Feet.	Gutter-plates Repaired.	Three-foot Gutters Set. Linear Feet.
Centre		4	32	80	423				
Central avenue.....		112	250	1,921	197				
Charles		267	158	3,200	5,628	2,406		2	
Cheapside				10,630					
China.....		14		944					
Clay	78	807	105	9,159					
Clement	65			100	12				
College alley.....		8		158		24			
Collington avenue		30		155					
Colvin.....				90					
Conway.....		21		216					
Crooked lane.....				184					
Cross				664					
Dallas				1,000					
Davis				500					
Dugan's Wharf.....				147					
Duncan Place.....	12					128	64		
Durst alley.....		85		760					
Eager.....				232					
Eagle.....	13	36	30	239					
Eastern avenue.....				1,415					
Edgar Place.....		138		1,221					

Ensor.....	30	310	212	54	1
Eutaw.....			1,297		
Exchange Place.....			408		
Exeter.....			242		
Fairmount avenue.....	9		4		1
East Falls avenue.....			120		
West Falls avenue.....			210		
Fayette.....	14		691	56	1
Forrest.....	28		28		
Fort avenue.....	398		4,235		2
Foster alley.....	52		240		
Franklin.....	23	60	860	104	1
Frederick avenue.....		18	24		
Fremont avenue.....	355	46	3,845		
Fulton avenue.....	7		848		
Gay.....	50	20	1,155	10	
German.....	39	60	1,349	394	1
Gilmor.....	9		48		
Goodman alley.....			170		
Gough.....	45	320	2,906		
Hanover.....	30	94	6,702	502	2
Harford avenue.....			120		
Henrietta.....		72	1,042		
Hillen.....			72		
Holliday.....			1,700		
Holiday.....			705		
Hunter alley.....			1,164		
Irving Place.....	17		205	134	
Jackson.....	32		1,420		
Jefferson.....			102	51	
Josephine.....			132		
Lafayette avenue.....	34		61		
Lafayette Market.....		10		1,993	1,215
Lanvale.....	39			1,071	38.6
Lexington.....	32		5,835		94
Liberty.....			53	1,574	
			156		

GENERAL REPAIRS—Concluded.

STREET.	Kerb Reset. Linear Feet.	Gutter Set. Linear Feet.	Flags Reset. Square Feet.	Cobble Paving. Square Feet.	Block Paving. Square Feet.	Asphalt Block Pav- ing. Square Feet.	Brick Paving. Square Feet.	Gutter-plates Repaired.	Three-foot Gutters Set. Linear Feet.
Light	160	65	56	722	464	.....	48	1	.....
Linden avenue .....	.....	50	.....	263	.....	.....	.....	.....	.....
Lombard .....	.....	12	49	5,694	527	.....	80	3	.....
Madison .....	.....	48	76	758	.....	.....	.....	.....	.....
Marion	268	31	.....	1,272	.....	.....	.....	.....	.....
Marshall avenue .....	.....	8	.....	1,089	.....	.....	87	.....	.....
Milton avenue	26	58	379	2,541	.....	.....	36	.....	.....
McClellan's alley .....	.....	37	.....	1,448	.....	.....	.....	.....	.....
Montford avenue .....	.....	.....	.....	416	.....	.....	.....	.....	.....
Montgomery .....	.....	.....	.....	207	.....	.....	.....	.....	.....
Monroe	37	16	12	167	.....	.....	75	.....	.....
Monument .....	.....	48	.....	144	.....	.....	138	.....	.....
Morton alley .....	.....	.....	.....	54	.....	.....	24	.....	.....
Mulberry .....	.....	16	.....	248	.....	.....	.....	.....	.....
Nalley .....	.....	65	.....	711	.....	.....	.....	.....	.....
North avenue .....	.....	267	40	15,924	.....	.....	.....	.....	.....
Orleans .....	.....	.....	12	527	.....	.....	.....	.....	.....
Paca .....	.....	278	.....	3,518	.....	.....	.....	.....	.....
Patterson Park avenue .....	.....	23	.....	232	.....	.....	232	.....	.....
Park avenue .....	.....	.....	59	324	.....	.....	.....	.....	.....
Parrish alley .....	.....	330	.....	2,409	.....	.....	.....	.....	.....
Payson	55	151	.....	1,142	.....	.....	.....	.....	.....

Pierce.....	4	14	.....	98	.....	.....	.....	.....	.....
Pine.....	.....	.....	.....	203	.....	.....	.....	.....	.....
Poppleton.....	.....	70	.....	179	.....	.....	.....	.....	.....
Pratt.....	11	8	56	179	367	67	4	.....	.....
Preston.....	19	8	.....	2,592	.....	.....	.....	.....	.....
Raborg.....	.....	.....	.....	307	.....	.....	.....	.....	.....
Ramsay.....	.....	107	.....	983	.....	.....	.....	.....	.....
Randall.....	311	.....	.....	532	.....	.....	1	.....	.....
Riverside avenue.....	.....	.....	.....	161	.....	.....	.....	.....	.....
Saratoga.....	.....	12	.....	413	.....	.....	.....	.....	.....
Schroeder.....	79	68	.....	412	.....	.....	.....	.....	.....
Second.....	.....	.....	.....	.....	328	.....	.....	.....	.....
Sharp.....	.....	.....	35	279	.....	.....	.....	.....	.....
Sharp street alley.....	99	235	20	2,659	.....	.....	.....	.....	.....
Sherman Place.....	.....	.....	.....	50	.....	.....	.....	.....	.....
Shields alley.....	.....	.....	.....	3,188	.....	.....	.....	.....	.....
Spring.....	.....	.....	.....	1,860	.....	.....	.....	.....	.....
Smith Wharf.....	.....	36	.....	808	.....	.....	.....	.....	.....
South.....	.....	.....	.....	.....	16	.....	.....	.....	.....
State.....	.....	5	9	96	.....	.....	.....	.....	.....
Sterrett alley.....	49	.....	.....	711	.....	12.7	.....	.....	.....
Stockholm.....	156	28	.....	1,133	.....	.....	.....	.....	.....
St. Paul.....	.....	230	180	233	846	159	.....	.....	.....
Uhler's alley.....	.....	6	.....	24	.....	.....	.....	.....	.....
Union.....	.....	14	.....	106	.....	.....	.....	.....	.....
Upton.....	.....	20	.....	312	.....	.....	.....	.....	.....
Vincent alley.....	.....	269	.....	3,556	.....	.....	.....	.....	.....
Warren avenue.....	.....	.....	.....	163	.....	.....	.....	.....	.....
Welcome alley.....	.....	.....	.....	108	.....	.....	.....	.....	.....
Wilkens avenue.....	.....	12	21	3,328	.....	.....	.....	.....	.....
William.....	.....	.....	.....	130	.....	.....	.....	.....	.....
Total.....	2,801	6,165	2,958	151,379	16,129	4,685	1,652.2	33	132.6

The amount of material hauled from the storage lots and used for repairs of paved streets is as follows, viz: Kerbing, 50 feet; gutterstones, 338 feet; flagstones, 62.5 square feet; Belgian blocks, 3,798; asphalt blocks, 150; bricks, 210; cobblestones, 558 loads.

STREETS—ANNEX.

Ordinance No. 94 appropriated \$15,000 for repairs of streets, roads, bridges, etc., in the Annex. Out of this amount, five special appropriations were taken.

The appropriation made for Augusta avenue was \$1,500; the work is not completed, but the probable cost to finish is \$1,159.10; Daniel Sullivan, contractor.

The following table shows the location, character and amount of work done and the amount expended.

SPECIAL APPROPRIATIONS.

STREET.	RESOLUTION.	STREET FROM.	STREET TO.	(Cutters Set. Linear Feet.	Cobble Paving. Square Feet.	Macadamizing. Linear Feet.	Amount Expended
Garrison lane.....	87, 1896...	Frederick road.....	Edmondson avenue.	803	4,915	4,600	\$1,673 31
Augusta avenue.....	106, 1896...	Frederick road.....	Old Frederick road...	3,145	7,900	1,580	70 10
Falls road.....	70, 1896...	Md. Central R. R. sta.	Mt. Vernon Mills...	.....	.....	900	198 32
Old Frederick road.....	86, 1896...	Frederick road.....	A point west.....	1,687	4,604	.....	592 75
Old York road and Gil- mor lane.....	71, 1896...	Twenty-eighth.....	Arlington avenue.....	.....	.....	7,000	407 50
							\$2,941 98

Amount spent for general repairs on streets, roads and bridges in the Annex was \$10,573.86, as follows, viz:
 Labor, \$6,941.38; material, \$2,900.09; incidentals, \$606.93; Whitelock street, \$125.46.

The following tables show the location, character and amount of work done:

REPAIRS OF STREETS.

STREET.	STREET FROM.	STREET TO.	Macadam- izing. Linear Feet.	Gutterstone. Linear Feet.	Cobble Paving. Square Feet.	Flagstones Set. Square Feet.
Slingluff avenue.....	At.....	North avenue.....	.....	102	418	.....
Merryman's lane.....	York road.....	Barelay .....	.....	617	2,260	.....
Old York road	York road.....	Jefferson .....	.....	613	1,556	.....
Tolover	Merryman's lane.....	Wilson .....	.....	353	1,599	.....
Twenty-third	Calvert.....	Guilford avenue.....	.....	235	3,283	.....
Twenty-second	Charles.....	Guilford avenue.....	.....	1,388	27,456	902
Calvert	Twenty-first.....	Twenty-second.....	.....	246	7,430	.....
Oak.....	North avenue.....	Huntingdon avenue.....	.....	1,130	16,149	13
Tenth	At.....	North avenue.....	.....	241	1,105	73
Ware	Charles.....	St. Paul.....	.....	283	3,468	36
Fulton avenue.....	North avenue.....	Pennsylvania avenue...	150	73	535	.....
West Baltimore	Willkens Run.....	Garrison lane.....	.....	109	1,072	.....
Clifton	At.....	Ninth .....	.....	70	140	.....
Ninth	At.....	North avenue.....	.....	67	400	30
Millington lane.....	Wilkens avenue.....	Christian	230	104	880	18
Twenty-third.....	Maryland avenue.....	Oak.....	160	.....	.....	.....
Huntingdon avenue.....	York road.....	Twenty-ninth	3,600	.....	.....	6
Eutaw Place.....	North avenue.....	Park gate.....	1,750	.....	.....	.....
Calverton road.....	Payson	Franklin.....	3,400	.....	6,672	.....
Park Heights avenue.....	Park gate.....	Old Pimlico road.....	4,100	.....	.....	.....
Total.....	.....	.....	13,390	6,087	72,423	1,078

REPAIRS OF DRAIN-BOXES.

LOCATION.	CHARACTER OF WORK.
Woodberry and Hooper avenues.....	Cobble repairing and repairing drain-box.
Walbrook ave., betw. Eighth and Ninth sts.	Grading and putting up bulk-head.
Madison street and Quaker lane	Repairing drain-box.
Opposite Waverly Presbyterian Church...	Putting in drain-box and cobble paving,
Twenty-third street and Jefferson Place..	Cobble paving.
Park avenue and Lennox street..	Macadamizing.
St. Paul and Twenty-sixth streets.....	"
Slingluff and North avenues	Grading.
Cedar and Third avenues.....	"
Twenty-fourth st., betw. Crystal ave. and Barclay street.....	"
Merryman's lane (3 repairs).....	Repairing drain-box and bridge.
Jenkins lane and Twenty-first street.....	Put in new drain-box.
Slingluff avenue and Liberty road.....	Repaired drain-box.
Stafford lane.....	" bridge.
Jefferson and Madison streets.....	" drain-box.
Valley street and Brady avenue.....	" " "
Valley and Mount streets.....	" " "
Independence street (4 boxes).....	" " "
Walbrook avenue and Twelfth street.....	(4 inlets built.)

TERRA-COTTA PIPE LAID.

<i>Location.</i>	<i>Linear Feet.</i>
Loney's lane and Belt Line Tunnel.....	38 feet of 12-inch.
Walbrook avenue and Twelfth street.....	72 feet of 12-inch.
Old York road and Oak street.....	95 feet 8 inches of 8-inch.
Gilmor lane and Barclay street.....	28 feet of 12-inch.

BRIDGES REPAIRED IN THE ANNEX.

Edmondson avenue bridge.	Quaker lane bridge.
Wilkens avenue bridge.	Morris lane bridge.
Beech avenue bridge.	Merryman's lane bridge.
Garrison lane bridge.	Windsor road bridge.
Cedar avenue bridge.	Clipper Mill foot-bridge.

OLD MATERIAL FROM STORAGE LOT.

Old cobblestone, 753 loads.
 Timber, 2,370 square feet.
 Crushed stone, 211 loads, Huntingdon avenue crusher.

FENCING.

STREET.	STREET FROM.	STREET TO.	LIN. FEET.
Gorsuch avenue.....	Quaker lane.....	East	280
Huntingdon avenue extended.....	Huntingdon avenue.	Twenty-seventh....	856
Park avenue.....	At	Newington avenue...	75
Mine Bank lane.....	Gay	North	436
North avenue.....	Pulaski	West	888
North avenue.....	W. M. R. R. bridge..	Slingluff avenue....	952
Remington avenue...	Marine Hospital....	Cedar avenue	1,597
Wilkins avenue	At	Hurley's ice-pond...	1,430
Total.....			6,514

A number of roads and streets in the Annex are in very bad condition, and will require considerable repairs.

Among these are the Falls Road, Huntington avenue extended, Remington avenue; streets in Hamden, Woodberry, Waverly, Wilkins avenue, West Baltimore street, Columbia avenue, and Old Frederick road.

There are also a number of culverts and small bridges which should be renewed.

FLAG AND STEPPING-STONES.

Under the general appropriation for flag and stepping-stones—Ordinance 94 of 1896—a contract was let to John T. Curley to furnish the stone and set crossings at 36c. per square foot.

Amount of flagstones furnished and set was 5,085.45 square feet at 36c.=\$1,830.76.

In addition to this, \$125.41 was spent in repairs and resetting old flagstones, making a total of \$1,956.17, leaving a balance of \$43.83, the appropriation being \$2,000.

The locations of the flagstones set are as follows:

Barclay street and North avenue.

North avenue and Callow avenue.

Hargrove alley and Twenty-second street (2 rows).

Mt. Royal avenue and Charles street (repaired 2 rows).

Mt. Royal avenue, opposite Music Hall.

Portland and Greene streets.

South and Second streets.

Fulton avenue and Presbury street.

North avenue and Payson street.

Merryman's lane and Roland avenue (4 rows).

Madison and Wolfe streets (2 rows).

Hanover street, in front No. 35 Public School.

Cumberland street and North avenue.

Roland avenue and Fifth street (3 rows).

REPAIRS OF UNPAVED STREETS.

The appropriation for repairs of unpaved streets was \$1,500; of this amount, \$797.59 was spent for labor, \$656.97 for material, and \$45.54 for miscellaneous accounts.

The location and amount of work done is as follows, viz:

Washington road, 1,075 feet shelling; Mt. Royal avenue, 450 feet macadam; Monroe and Herkimer streets, one drain-box; Ferry Point road, 245 feet fencing, and 900 feet macadam; Fulton avenue, 425 feet gutter reset, 60 feet flag-stone reset, 1,553 square feet cobble paving, and 1,650 feet macadam.

PULASKI STREET BOARD-WALK.

Resolution No. 5 of 1896 appropriated \$50 for the repairs of the board-walk on Pulaski street, from Baltimore to Fayette.

Of this amount, \$22 was used for material, and \$16.33 for labor, leaving a balance of \$11.67.

FOOTWAY NOTICES.

During the year 2,329 complaints of footways needing repairs have been investigated, and notices sent to the owners.

Many complaints which came in are of such a trivial character as to add a large amount of unnecessary work of inspection to this office.

PAVING IN FRONT OF CITY PROPERTY.

The appropriation for paving in front of city property was \$500; of this amount, \$98.90 was spent for labor, \$34.68 for material, \$62.35 for brick paving, and \$80.04 for miscellaneous accounts, leaving a balance of \$224.03.

The work done opposite Engine-house No. 5, on Ann street, is as follows, viz:

Fourteen hundred and sixty-eight square feet cobble paving, 187 square feet block paving, 28 feet kerb reset, and 19 feet gutterstone reset.

At Jefferson and Wolfe streets, 141.4 square feet of brick paving.

On Gay street, 1,092.03 square feet brick paving.

I would urge the importance of a sufficient appropriation to make the necessary repairs to bridges and paved streets.

The amount of money used for these repairs during the past year was entirely inadequate to do more than repair the worst places, and many of the streets are now in such bad condition that repaving will be necessary; where, if proper repairs had been made in time, this would not have been necessary.

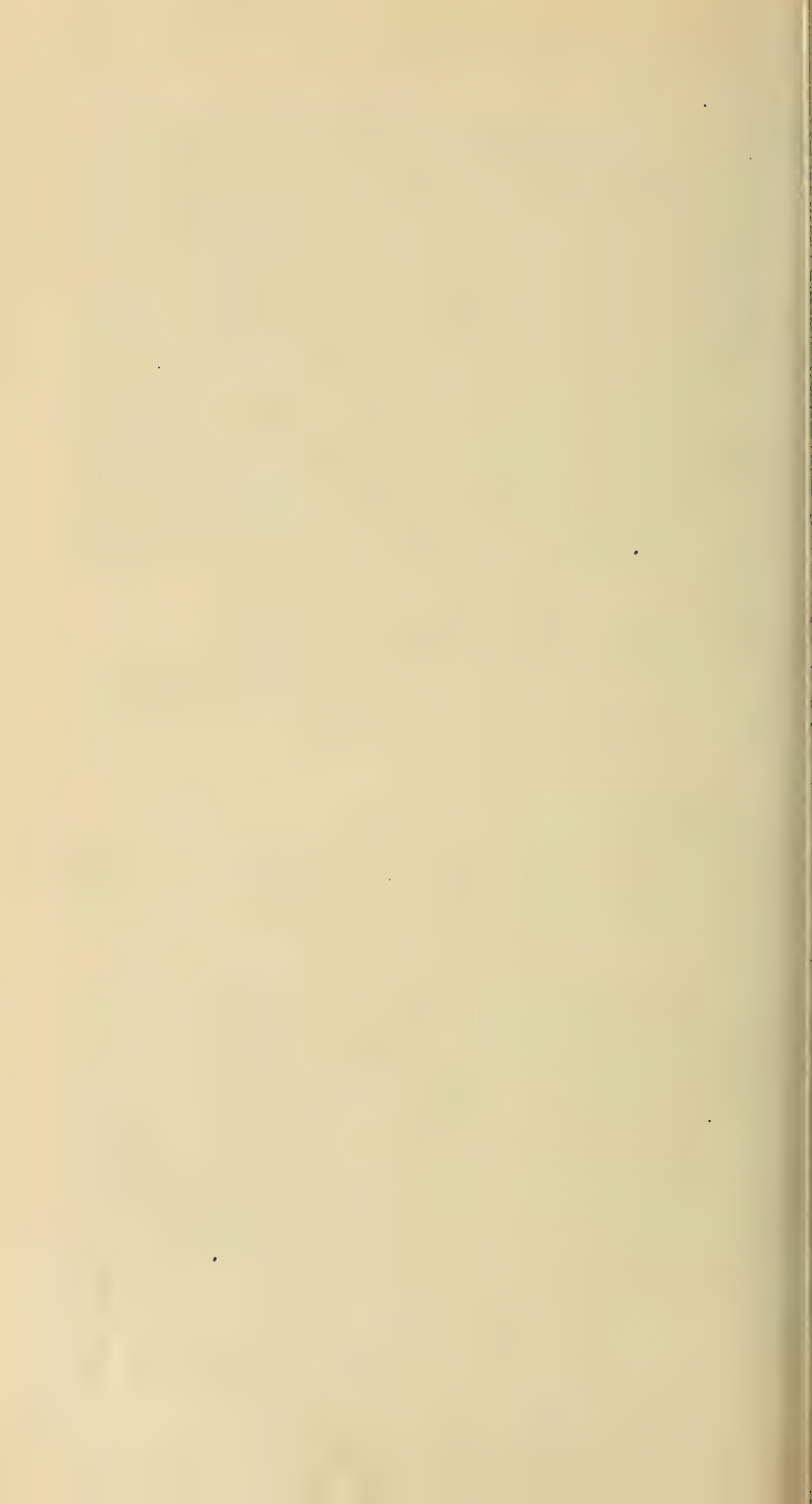
It would be poor economy to further neglect the repairs of streets and bridges.

I would call your attention to the reports of Mr. Layton F. Smith, Assistant Engineer on the Repairs of Bridges for 1896, and a list of the bridges which need attention during the coming season; also to his report on testing of cement for this department and to the need of better facilities for this work.

Respectfully submitted.

O. W. CONNET,

Ass't City Commissioner.



REPORT OF ASSISTANT ENGINEER.

BALTIMORE, January 9, 1897.

Mr. O. W. Connet, Assistant City Commissioner :

DEAR SIR: During the year 1896 the following bridges have been repaired as per descriptions and cost of same charged to bridge repairs. The original amount appropriated was four thousand dollars (\$4,000), but subsequently thirty-five hundred dollars (\$3,500) were transferred from the balance left from York street, making a total of seventy-five hundred dollars (\$7,500), a sum which was entirely inadequate for the repairs which it was necessary to make. Only the most urgent repairs were made, a list of which is given below, yet there are a number of bridge floors which should have immediate attention, and the majority of the steel and iron bridges should be scraped and painted, a fact which I noted to greater length in my report of last year (1895), and to which I call your attention.

The list of bridges repaired and description of repairs is as follows:

Argyle avenue bridge, covered over hole in roadway, because there was not sufficient money with which to make thorough repairs.

Block street drawbridge, several valve stems were renewed, valves and valve seats planed, cylinders packed and minor repairs made. In reference to the injury sustained by the bridge occasioned by the capsizing of a scow I will refer you to my letter of October 22, 1896, addressed to Mr. Howard D. Coale, then Assistant City Commissioner.

St. Paul street bridge, minor repairs to handrail and overlapping plates, and resurfacing with sheet asphalt the roadway.

Eastern avenue bridge, entire new south roadway and south sidewalk.

South Monroe street bridge, minor repairs to roadways and sidewalks.

Chase street bridge, entire new roadway and sidewalk.

Fayette street bridge, minor repairs to footways.

Canton avenue bridge, minor repairs to roadway, footways and handrails.

Madison street bridge, entire new roadway, repairs to footways and truss guards.

Preston street bridge, renewed floor under Central Railway Company's tracks and repaired footways.

Guilford avenue bridge, repaired roadways and footways.

Lombard street bridge, repaired guards around centre truss.

Lexington street bridge, over Peck's branch, repaired roadway.

Scott street footbridge, repaired handrail and floor.

Ridgely street bridge, repaired handrail.

Bath street bridge, repaired footway.

Boston street bridge, renewed north and south roadways and patched footways.

Maryland avenue bridge, repaired roadways.

Monument street bridge, sheathed south roadway because of lack of money with which to make satisfactory repairs, and repaired north roadway and footways.

Aliceanna street bridge, repaired roadway.

Nanticoke street bridge, rebuilt.

Calvert street bridge, repaired asphalt roadway.

Appropriations.....	\$7,500 00
Expenditures.....	7,487 39
Balance.....	<u>\$12 61</u>

Light Street Bridge—The appropriation for this bridge was \$5,000.

Appropriation.....	\$5,000 00
Expenditures.....	4,282 22
Balance.....	<u>\$717 78</u>

The reduction of force at the bridge occasioned this balance, but the bridge has suffered in consequence, and very thorough repairs will be necessary this year, and an increased force to make same, as it is impossible for the present force to serve the drawbridge and keep in repair a wooden bridge very nearly a mile long.

Under power granted by Ordinance No. 8, approved February 27, 1896, the old City and Suburban Railway bridge was moved from its then position on line of Frederick road over Gwynn's Run to the south building line of said road.

Work was begun March 6 and finished March 19, 1896, and the bridge thoroughly overhauled and adapted for the use of pedestrians.

Appropriation.....	\$300 00
Expenditures.....	212 59
Balance.....	<hr/> \$87 41

During 1897 it will be necessary to make very extensive repairs to a number of bridges, because the appropriations for bridge repairs for years past have been entirely inadequate, and a period is being reached when makeshifts will not serve, and only proper renewals or repairs will enable the bridge floors to sustain the travel over them.

The following bridges should receive attention this year:

Canton avenue bridge, roadway and sidewalks.

Eastern avenue bridge, sidewalk.

Lombard street bridge, sidewalks.

Fayette street bridge, sidewalks.

Hillen street bridge, sidewalks and roadways.

Centre street bridge, sidewalks and roadways.

Monument street bridge, roadways.

Argyle avenue bridge, entire new floor.

South Monroe street bridge, roadways, sidewalks and handrail.

Lexington street over Peck's branch, new bridge.

Harman's bridge, roadway and handrail.

Boston street bridge, sidewalks.

Guilford avenue bridge, roadways and sidewalks.

Preston street bridge, sidewalks.

Madison street bridge, sidewalks.

St. Paul and Calvert street bridges, repairs to ornamental iron work.

Very respectfully,

LAYTON F. SMITH,

Assistant Engineer.

BALTIMORE, January 14, 1897.

Mr. O. W. Connet, Assistant City Commissioner:

DEAR SIR: Being authorized by Mr. Janon Fisher, City Commissioner, August 1, 1896, to take charge of the testing of cement used by the city, I began work Monday, August 17, 1896, to make briquettes, since which time, until December 31, 1896, I made 714 briquettes, representing 46 samples of cement.

The city owned an old type Riehle Brothers testing machine, by means of which the briquettes were broken, but because it was so difficult to apply the power and balance the lever arm at the same time, the results were very unsatisfactory, so a Fairbank's shot machine was purchased and has been used exclusively since and given entire satisfaction.

It would be well to have the results of the tests tabulated, but because the results obtained by the Riehle machine would not compare favorably with those obtained by the Fairbank's machine, justice would not be done the cements tested at first on the Riehle machine.

No long time tests were made and we have to rely upon the published tests made by other cities and large works. Our tests were only for 1, 7 and 28 days neat and 7 and 28 days 2 to 1 for natural cements, and 1, 7 and 28 days neat and 7 and 28 days 3 to 1 for Portland cements, crushed quartz being used for sand.

The following natural cements were tested and found up to the specifications in force 1896:

Union.

Cumberland.

Cumberland and Potomac.

The Portland cements which filled requirements were:

Dykerhoff.

Porta

White's English Portland.

Giant.

Germania

Burham English Portland.

Acme.

It is necessary that better accommodations be provided for the testing of cement, because Baltimore has, in all probability, the poorest equipment of any large city in the United States; I therefore recommend that a larger room be provided and additional appurtenances be procured, and a more strict surveillance be kept over the cement to be used by the city; in furtherance of the latter, I respectfully recommend the following specifications to be in force for 1897, they being identical with those compiled by the ex-City Commissioner, Janon Fisher:

“All cement to be properly branded, and if natural cement in bags, to have been recently packed.”

“All cement to be inspected and sampled before any is used on the work, and if condemned to be removed immediately from the work.”

“The fineness must be such as to pass at least 94 per cent. of Natural cement and 98 per cent. of Portland cement through a No. 50 sieve (2,500 meshes to the square inch). Cakes or pats of neat cement must show no indication of checking, cracking or warping when exposed in the air or water at normal temperature.”

“The tests for time of setting shall be ‘Initial’ and ‘Hard.’ In the ‘Initial’ set the surface of the pat shall not suffer any impression from the square end of a short round wire one-twelfth inch in diameter, loaded with one-quarter pound weight, while in the ‘Hard’ set a one twenty-fourth inch diameter wire, loaded with one pound weight, shall not cause any impression. ‘Initial’ set shall not develop in less than ten minutes and ‘Hard’ set in less than thirty minutes in Natural cement, while in Portland cement the ‘Initial’ set shall not develop in less than thirty minutes in slow setting and in less than ten minutes in quick setting Portland cement.”

Tests for tensile strength shall be made with neat cement, and with cement and standard sand proportioned by weight as follows:

Natural cement—one part cement, two parts sand.

Portland cement—one part cement, three parts sand.

Any cement which shows signs of swelling after being mixed will be rejected.

The average tensile strength per square inch of section,

one hour (or until set) in air, and the remainder in water, shall not be less than—

<i>Natural Cement.</i>	<i>1 Day.</i>	<i>7 Days.</i>	<i>28 Days.</i>
Neat.....	75	150	225
1 cement, 2 sand.....	...	80	140
<i>Portland Cement.</i>			
Neat.....	125	400	500
1 cement, 3 sand.....	...	125	200

Respectfully submitted.

LAYTON F. SMITH,
Assistant Engineer.

Light Street Bridge—The force at present engaged in caring for Light street bridge and tending the draw-span consists of one engineer, two deck hands, one of whom is a carpenter, and a night watchman. To continue the present maintenance will necessitate an appropriation of four thousand dollars (\$4,000), divided as follows:

Pay-rolls	\$3,003 84
Coal,.....	225 00
Lumber for immediate repairs.....	250 00
Oils, etc.	120 00
Probable repairs to machinery.....	200 00
Incidentals.....	201 16
	<hr/>
	\$4,000 00

In all probability most all of the roadway of this bridge will have to be renewed during the coming year, and since it will be impossible for the present force to tend the draw-bridge and make these repairs, it will be necessary to have an extra force of men, which force must be large enough to make renewals quickly, so as not to inconvenience the great amount of travel which passes over this bridge. The bridge is 4,535 feet long and the roadway is twenty-four feet wide.

Since about three-fourths of the roadway will need renewing, about 250,000 B. M. of lumber will be necessary, the cost of which will be about four thousand five hundred dollars (\$4,500); the labor laying same, two thousand five hundred dollars (\$2,500); total, seven thousand dollars (\$7,000.)

LAYTON F. SMITH,

Assistant Engineer.

CONTRACTS IN FORCE IN THE CITY COMMISSIONER'S DEPARTMENT, DECEMBER 31, 1893.

No.	CONTRACTOR.	To FURNISH	For	PRICE.	(INCLUDING GUARANTIES) EXPIRES.
1	C. C. McColgan Co.	Cement	Druid Hill ave. int. sewer.	Ulster Co. Rosendale, \$1.25, and Hanover Portland, \$2.75 per bbl.	Completion of work
2	S. M. Hamilton & Co.	"	" " "	Joelson Portland, \$3, and Hemmoor Portland, \$2.90 per bbl.	" "
3	D. Donnelly & Son.	Brick	" " "	Machine-made, \$7.99 per M.	" "
4	Morgan & Bresnan.	Sand	" " "	84c. per cubic yard.	" "
5	P. M. Womble.	Lumber	" " "	N. C. pine, \$12.50 to \$14.50 per M. ft.; Va. pine, \$11.50 to \$12.50 per M. ft.; chestnut posts, 65c. and 70c.	" "
6	W. H. Perot.	Brick	" " "	Hand-made, \$8 per M.	" "
7	Md. Granite Co.	Rubble and dimension stone	" " "	Rubblestone, \$1.75 per cub. yd.; dimension stone, \$7 per cub. yd.	" "
188	Jas. P. McGovern.	Paving	Patterson Park avenue.	Grading, 12c. per cub. yd.; paving, 6c. sq. ft.; kerbing, 40c. lin. ft.	October 4, 1897.
189	Thos. F. Locke.	"	Gold street	Grading, 10c. cub. yd.; paving, 5½c. sq. ft.; kerbing, 40c. lin. ft.; repaving, 2½c. sq. ft.; resetting kerb, 10c. lin. ft.	August 19, 1897. August 24, 1899.
196	R. S. Andrews.	Repairing	Madison street	Grading, 20c. cub. yd.; kerbing, 40c. lin. ft.; paving, 6c. sq. ft.	April 1, 1897.
197	J. P. McGovern.	Paving	Montford avenue	Grading, 10c. cub. yd.; paving, 5c. sq. ft.; kerbing, 37c. lin. ft.; repaving, 2½c. sq. ft.; resetting kerb, 8c. lin. ft.	October 4, 1897.
207	Patrick Reddington.	"	Pulaski street	Grading, 10c. cub. yd.; paving, 5½c. sq. ft.; kerbing, 37c. lin. ft.; resetting kerb, 7c. lin. ft.	April 28, 1898.
218	Patrick Keelty.	"	Wolfe street	Grading, 10c. cub. yd.; paving, 5½c. sq. ft.; kerbing, 37c. lin. ft.; resetting kerb, 7c. lin. ft.	

219	Patrick Keelty.....	Paving	Preston street.....	(grading, 5c. cub. yd.; paving, 5½c. sq. ft.; repaving, 2½c. sq. ft.; kerbing, 37c. lin. ft.; resetting kerb, 7c. lin. ft.....	March 6, 1898.
223	Patrick Reddington.	"	Johnson street.....	Grading, 13c. cub. yd.; new kerb, 37c. lin. ft.; resetting old kerb, 8c. lin. ft.; paving, 5.2c. sq. ft.; repaving, 2.2c. sq. ft.....	May 22, 1898.
225	Patrick Keelty.....	"	Preston st., Chester st. to Patterson Park ave....	Grading, 17c. cub. yd.; paving, 7½c. sq. ft. kerbing, 39½c. lin. ft.; kerb circles, 79½c. lin. ft.....	March 3, 1898.
227	James P. McGovern.	"	Appleton street.....	Grading, 10c. cub. yd.; paving, 5½c. sq. ft.; repaving, 2½c. sq. ft.; kerbing, 38c. lin. ft.; resetting kerb, 7½c. lin. ft.....	December 18, 1898.
228	"	"	Cannon street.....	Grading, 22c. cub. yd.; paving, 7c. sq. ft.; kerbing, 40c. lin. ft.; kerb circles, 80c. lin. ft.....	August 26, 1897.
229	"	"	Jefferson street.....	Grading, 18½c. cub. yd.; paving, 7c. sq. ft.; kerbing, 40c. lin. ft.; resetting kerb, 10c. lin. ft.; repaving, 3c. sq. ft.; setting flagstones, 7c. sq. ft.; intervening Belgian blocks, 7c. sq. ft.; kerb circles, 80c. lin. ft.; resetting circles, 10c. lin. ft.....	May 20, 1898.
230	A. Schneider & Son.	Paving	Luzerne street.....	Grading, 15c. cub. yd.; paving, setting flagstones and intervening blocks and gutterstones, 6½c. per sq. ft.; repaving, 3c. sq. ft.; kerbing, 40c. lin. ft.; kerb circles, 80c. lin. ft.; resetting kerb and kerb circles, 10c. lin. ft.....	May 19, 1898.
231	"	"	Chester street.....	Grading, 18c. cub. yd.; paving, setting flagstones and intervening blocks and gutterstones, 6½c. sq. ft.; kerbing, 38c. lin. ft.; resetting kerb and circles, 10c. lin. ft.; kerb circles, 76c. lin. ft.; repaving, 3c. sq. ft.....	September 25, 1898

No.	CONTRACTOR.	To FURNISH	For	Price.	(INCLUDING GUARANTIES) EXPIRES.
232	A. Schneider & Son.	Paving	Chase street	Grading, 20c. cub. yd.; paving, setting flag-stones, intervening blocks and gutter-stones, 6½c. sq. ft.; repaving, 3c. sq. ft.; kerbing, 38c. lin. ft.; kerb circles, 76c. lin. ft.; resetting kerb and kerb circles, 10c. lin. ft.	September 2, 1898. Completion of work
243	David Leonard	Stone	Alluvion street sewer	\$1.95 per cub. yd. in place	
244	Nat'l Building Supply Co.	Cement	" " " "	Cumberland and Potomac, 88c. per bbl.; Porta or Keyser Portland, \$2.45 per bbl. . . .	" "
245	P. M. Womble	Lumber	" " " "	N. C. pine, \$13; white, \$21; Va., \$12.50; Ga. pine; \$17.93 per M. ft.	" "
246	J. J. Gallagher	Sand	" " " "	53c. per cub. yd.	" "
247	Andrew Miller	Piles	" " " "	6½c. per lin. ft.	" "
248	James R. Busey	Brick	" " " "	Hand-made, \$6.74; machine-made, \$5.74 per M.	" "
249	George Utterbaugh . . .	Paving	Carey street	Private contract; street repairs guaranteed. .	December 31, 1897.
251	Christian Miller	" " " "	Federal street	Private contract; street repairs guaranteed. .	" "
254	Vincent Hagemann . . .	" " " "	Harmanson street	Private contract; street repairs guaranteed. .	January 10, 1898.
255	Patrick Reddington . . .	" " " "	Brevard street	Grading, 20c. cub. yd.; paving, setting flag-stones and intervening blocks and gutter-stones, 5½c. sq. ft.; kerb, 35c. and kerb circles, 70c. per lin. ft.; repaving, 2½c. sq. ft.; resetting kerb and circles, 7c. per lin. ft.	May 22, 1898.

256	M. F. Leonard.....	Paving	Cannon street.....	Grading, 15c per cub. yd.; setting flagstones and intervening Belgian blocks, paving and setting gutterstones, 7½c per sq. ft.; repaving, 3½c. per sq. ft.; kerbing, 38½c., and kerb circles, 77c. per lin. ft.; resetting kerb and kerb circles, 10c. per lin. ft.	July 20, 1898.
257	Patrick Reddington.	"	Riggs avenue.....	Grading, 15c. per cub. yd.; paving, setting flagstones and intervening blocks and gutterstones, 6c. per sq. ft.; repaving, 3c. per sq. ft.; kerbing, 38c., and kerb circles, 76c. per lin. ft.; resetting kerb and circles, 8c. per lin. ft.	July 28, 1898.
258	Patrick Reddington.	"	Eastern avenue.....	Grading, 18c. per cub. yd.; paving, setting flagstones and intervening blocks and gutterstones, 8½c. per sq. ft.; repaving, 4c. per sq. ft.; kerbing, 40c., and kerb circles, 80c. per lin. ft.; resetting kerb and circles, 10c. per lin. ft.	March 31, 1898.
259	Patrick Keely.....	"	Oliver street.....	Grading, 14c. cu. yd.; paving and gutterstones, 6½c. sq. ft.; kerbstones and kerb circles, 50c. lin. ft.; flagstones and intervening blocks, 25c. sq. ft.; repaving, including gutterstones, 2½c. sq. ft.; resetting kerbstones and kerb circles, 8c. lin. ft.; relaying flagstones and intervening blocks, 6c. sq. ft.	December 11, 1898.
260	O. Malone & Co.....	"	Rose street.....	Grading, 15c. cu. yd.; paving, setting flagstones and intervening blocks, 7c. sq. ft.; gutterstones, 10c. lin. ft.; repaving, 2½c. sq. ft.; kerbing, 40c. lin. ft.; kerb circles, 80c. lin. ft.; resetting kerb and kerb circles, 10c. lin. ft.	June 23, 1898.

No.	Contractor.	To Furnish	For	Price.	(INCLUDING GUARANTIES) EXPIRES.
261	James P. McGovern.	Paving	Montford avenue. . . .	Grading, 16c. cu. yd.; paving, setting flagstones and intervening blocks and gutterstones, 7c. sq. ft.; kerbing, 40c. lin. ft.; kerb circles, 80c. lin. ft.; repaving, 3c. sq. ft.; resetting kerb and kerb circles, 10c. lin. ft.	August 25, 1898.
262	George Klein.	"	Hamburg street.	Grading, 20c. cu. yd.; paving, setting flagstones, intervening blocks and gutterstones, 5½c. per sq. ft.; kerbing, 37c. per lin. ft.; kerb circles, 74c. per lin. ft.; resetting kerb and kerb circles, 10c. per lin. ft.; repaving, 3c. sq. ft.	
263	James P. McGovern.	"	McCulloh street.	Grading, 10c. per cu. yd.; setting flagstones, intervening blocks and gutterstones and paving, 6c. sq. ft.; repaving, 2½c. sq. ft.; kerbing, 40c. lin. ft.; kerb circles, 80c. lin. ft.; resetting kerb and kerb circles, 8c. lin. ft.	Now in court.
264	Ann M. Schneider . .	"	Milton avenue.	Grading, 18c. cub. yd.; paving, setting flagstones, intervening blocks and gutterstones, 6½c. sq. ft.; repairing old cobble paving, 3c. sq. ft.; kerbing, 38c. lin. ft.; kerb circles, 76c. lin. ft.; resetting kerb and circles, 10c. lin. ft.	June 26, 1898.
265	Patrick Keelty.	"	Preston street.	Grading, 18c. cub. yd.; paving, setting flagstones, intervening blocks and gutterstones, 7½c. sq. ft.; kerbing, 39½c. lin. ft.; kerb circles, 79½c. lin. ft.; resetting kerb and circles, 9½c. lin. ft.; repaving, 3½c. sq. ft.	October 30, 1898.

266	Patrick Keelty.....	Paving	Whitelock street... ..	Grading, 17c. cub. yd.; for paving, flagstones, intervening blocks and gutterstones, 7½c. sq. ft.; kerbing, 39½c. lin. ft.; kerb circles, 79c. lin. ft.; resetting kerb and circles, 9½c. lin. ft.; repaving 3½c. sq. ft.	September 3, 1898.
269	Geo. Wannenwetsch.	"	Etting street.....	Private contract. Street repairs guaranteed.	December 10, 1897.
270	Jas. P. McGovern...	"	Henry street	Private contract. Street repairs guaranteed.	August 30, 1897.
271	M. F. Leonard.....	"	Andre street.....	(Grading, 14c. cub. yd.; paving, including gutterstones, 7½c. sq. ft.; kerb and kerb circles, 53c. lin. ft.; flagstone crossings and intervening blocks, 33c. sq. ft.; repaving, including gutterstones, 3c. sq. ft.; resetting kerb and kerb circles, 8c. lin. ft.; relaying flagstones, 10c. sq. ft.; kerb and kerb circles, 68c. lin. ft.)	
272	M. J. Flannery.....	"	Barclay street	(Grading, 14c. cub. yd.; paving, including gutterstones, 6½c. sq. ft.; repaving, including gutterstones, 3½c. sq. ft.; resetting kerb and circles, 6c. lin. ft.; flagstones, including intervening blocks, 32c. sq. ft.; resetting flags, including intervening blocks, 3c. sq. ft.)	October 30, 1898.
273	M. F. Leonard.....	"	Beason street.....	Grading, 14c. cub. yd.; paving, including gutterstones, 7½c. sq. ft.; repaving, including gutterstones, 3c. sq. ft.; kerb and kerb circles, 68c. lin. ft.; flags, including intervening blocks, 33c. sq. ft.; resetting kerb and circles, 8c. lin. ft.; resetting flags and intervening blocks, 10c. sq. ft.; 4½-inch kerb and circles, 35c. lin. ft.)	

No.	CONTRACTOR.	To FURNISH	FOR	PRICE.	(INCLUDING GUARAN- TIES) EXPIRES.
274	Patrick Reddington.	Paving	Clement street.	(Grading, 15c. cub. yd.; paving, including gutterstones, 7c. sq. ft.; 4½-inch kerbing and kerb circles, 54c. lin. ft.; flags, including intervening blocks, 34c. sq. ft.; repaving, including gutterstones, 3c. sq. ft.; resetting kerb and kerb circles, 8c. lin. ft.; relaying flags and intervening blocks, 3c. sq. ft.; 5-inch kerb and circles, 70c. lin. ft.	October 20, 1898.
275	M. F. Leonard.	"	" Federal street.	(Grading, 15c. cub. yd.; paving, including gutterstones, 6¾c. sq. ft.; 4½-inch kerbing and kerb circles, 53c. lin. ft.; flagstone crossings, including Belgian blocks, 53c. sq. ft.; repaving, including gutterstones, 2¾c. sq. ft.; resetting kerb and kerb circles, 7c. lin. ft.; relaying flags and intervening blocks, 7c. sq. ft.; 5-inch kerb and kerb circles, 68c. lin. ft. . . . .	.....
276	Patrick Reddington.	"	" Lanvale street.	(Grading, 15c. cub. yd.; paving, including gutterstones, 7c. sq. ft.; 4½-inch kerb and kerb circles, 54c. lin. ft.; flags, including intervening blocks, 34c. sq. ft.; repaving, including gutterstones, 3c. sq. ft.; resetting kerbstones and circles, 8c. lin. ft.; relaying flags and intervening blocks, 3c. sq. ft.; 5-inch kerbstones and circles, 70c. lin. ft. . . . .	.....

277	M. F. Leonard.....	Paving	Oliver street.....	Grading, 15c. cub. yd.; paving, including gutterstones, 6 $\frac{3}{4}$ c. sq. ft.; 4 $\frac{1}{2}$ -inch kerb and kerb circles, 53c. lin. ft.; flags, including Belgian blocks, 33c. sq. ft.; repaving, including gutterstones, 2 $\frac{3}{4}$ c. sq. ft.; resetting kerb and circles, 7c. lin. ft.; relaying flags, including intervening blocks, 7c. sq. ft.; 5-inch kerbs and kerb circles, 68c. lin. ft.	December 8, 1898.
278	Patrick Reddington.	" ..	Spring street.....	Grading, 20c. cub. yd.; paving, including gutterstones, 6c. sq. ft.; 4 $\frac{1}{2}$ -inch kerb and circles, 54c. lin. ft.; flags, including blocks, 34c. sq. ft.; repaving, including gutterstones, 3c. sq. ft.; resetting kerbstones and circles, 8c. lin. ft.; relaying flags, including intervening blocks, 3c. sq. ft.; 5-inch kerb and circles, 70c. lin. ft. .	December 8, 1898.
279	Patrick Keely.....	" ..	Hopkins avenue, Townsend street (north half).	Private contract. Street repairs guaranteed.	.....
280	Boston Fear.....	" ..	Montrose street.....	Private contract. Street repairs guaranteed.	March 26, 1898.
282	W. H. Tabeing.....	" ..	Federal st. (north half).	Private contract. Street repairs guaranteed.	" ..
284	John Miller.....	" ..	Federal street (north half)	Private contract. Street repairs guaranteed.	July 7, 1897.
291	Westham Granite Co.	" ..	York street.....	Mosaic block paving, including gutterstones; also, including grading and removal of old cobble pavement, flag and gutterstones and 4-inch kerbstones, and all sand and gravel required, \$1.56 per sq. yd.; setting 6-inch kerb, straight and curved, and rejoining when necessary, 10c. lin. ft.; old 6-inch kerb, straight and curved, dressed, jointed and reset, 10c. lin. ft.; cobble repaving in cross streets, etc., 2 $\frac{3}{4}$ c. sq. ft.; resetting kerb in cross streets, etc., 10c. lin. ft.	June 26, 1901.

No.	Contractor.	To FURNISH	For	Price.	(INCLUDING GUARAN- TIES) EXPIRES.
294	Isaac S. Filbert,....	Paving,....	Mt. Royal avenue,.....	Granite block paving, including gutter- stones; also, including grading and re- moval of old cobble pavement, flags, gut- terstones and 4-inch kerbstones, includ- ing all sand and gravel required, \$2.19 sq. yd.; resetting flags, 10c. sq. ft.; setting 6-inch kerb, straight and curved, fur- nished by city, and rejoining when necessary, 15c. lin. ft.; cobblestone re- paving in cross streets, including all sand and gravel required, 5c. sq. ft.; resetting kerb in cross streets, including all sand and gravel required, 18c. lin. ft.; hauling kerbstones, 7c. lin. ft.	September 8, 1901.
295	“ “	“	Alicanna street	Granite block paving, including gutter- stones; also, including grading and re- moval of old cobblestone pavement, flag and gutterstones and 4-inch kerbstones, and including all sand and gravel re- quired, \$1.93 sq. yd.; 6-inch kerb, straight and curved, 15c. lin. ft.; old 6-inch kerb, straight and curved, dressed, etc., 21c. lin. ft.; cobblestone repaving in cross streets, including all sand and gravel re- quired, 4½c. sq. ft.; resetting kerb in cross streets, including all sand and gravel re- quired, 21c. per lin. ft.; hauling flag- stones, cobbles and gutterstones taken up, 12c. sq. yd.; hauling kerbstones taken up, 6c. per lin. ft.	October 26, 1901.

296

Southern Asphalt
Paving Company.

Paving

.....

Broadway.....

Sheet asphalt paving, including grading and removal old cobble pavement, flagstones, gutterstones and 4-inch kerbstones, \$1.79 sq. yd.; setting 6-inch kerb, straight and curved, and rejoining where necessary, 14c. lin. ft.; old 6-inch kerb, straight and curved, dressed, rejointed and reset, 14c. lin. ft.; cobble repaving in cross streets, including necessary sand and gravel, 4c. per sq. ft.; resetting kerb in cross streets, including necessary sand and gravel, 12c. lin. ft.; hauling cobblestones, flagstones and gutterstones taken up, 5c. per sq. yd., in place; hauling kerbstones, 6c. lin. ft.

October 5, 1901.

299

Jones, Pollard & Co.

" ..

Entaw Place.....

Asphalt block repaving, including necessary grading, preparation of foundation and removal of old blocks, \$1.75 per sq. yd.; repairing with old blocks, including hauling same, preparation of foundation, etc., 50c. sq. yd.; resetting 6-inch kerb where needed, 10c. lin. ft.

July 21, 1901.

300

The Maryland Pavement
Company....

Paving

.....

McCulloh street.....

Asphalt block paving, \$2.02 sq. yd.; excavation, including removal of cobblestones, kerbstones, etc., 30c. cu. yd.; setting 6-inch kerb, straight and curved, 8c. lin. ft.; old 6-inch kerb, redressed, rejointed and reset, 10c. lin. ft.; cobble repaving in cross streets, 2½c. sq. ft.; resetting old kerb in cross streets, 6c. lin. ft.; Belgian block repaving, 1½c. sq. ft.

No.	CONTRACTOR.	To FURNISH	For	PRICE.	(INCLUDING GUARAN- TIES) EXPENSE.
301	Southern Asphalt Paving Company...	Repairing and resur- facing sheet asphalt streets and bridges....	.....	(Area 500 sq. yds. or more). Wearing sur- face, 1½ in. thick, 73c. per sq. yd.; wear- ing surface, 2 in. thick, 91c. sq. yd.; binder, 1½ in. thick, 45c. sq. yd.; concrete base, 6 in. thick, 65c. sq. yd. (Area less than 500 sq. yds.) Wearing surface, 1½ in. thick, 66c. per sq. yd.; wearing sur- face, 2 in. thick, 87c. sq. yd.; binder, 1½ in. thick, 45c. sq. yd.; concrete base, 6 in. thick, 65c. sq. yd.; removal old wearing surface, binder, etc., 19c. sq. yd. ....	.....
302	Patrick Reddington.	Paving.....	Patapasco street.....	(City furnishing cobble, kerb and flag- stones). Paving, 3c. sq. ft.; setting kerb- stones, straight and curved, 8c. lin. ft.; setting flagstone crossings, 3c. sq. ft. (Contractor furnishing material). Pav- ing, 6c. sq. ft.; gutterstones, 28c. lin. ft.; flagstone crossings, including Belgian blocks, 34c. sq. ft.; repaving, 3c. sq. ft.; resetting kerb, straight and curved, 8c. lin. ft.; relaying flags, 3c. sq. ft.	November, 10, 1895

303	Patrick Reddington.	Paving.....	Luzerne street.....	(City furnishing cobblestones, kerbstones and flagstones). Paving 3c. sq. ft.; setting kerbs, straight and curved, 8c. lin. ft.; setting flags, 3c. sq. ft. (Contractor furnishing material). Paving, 6c. sq. ft.; gutterstones, 28c. lin. ft.; flags, including Belgian blocks, 34c. sq. ft.; repaving, 3c. sq. ft.; resetting kerbs, straight and curved, 8c. lin. ft.; relaying flags, 3c. sq. ft.	November 23, 1898.
304	Jones, Pollard & Co.	"	Pearl street.....	Asphalt block paving, including grading and removal of old cobble pavement, flags, gutterstones and 4-inch kerbs, and preparation of foundation, \$2.11 sq. yd.; setting 6-inch kerb, straight and curved (furnished by city), 10c. lin. ft.; old 6-inch kerb, straight and curved, redressed, re-jointed and reset, 15c. lin. ft.; cobble repaving in cross streets, 4c. sq. ft.; resetting old kerb in cross streets, 8c. lin. ft.	October 9, 1901.
305	"	"	Fulton avenue.....	Asphalt block paving, including taking up present pavement, assorting blocks, grading, preparation of foundation, etc., \$2.1795 per sq. yd.; repaving with old blocks removed from street, including hauling; also preparation of foundation, hauling discarded blocks, etc., 50c. sq. yd.; repaving Belgian block intersections, 20c. sq. yd.; resetting kerb, 10c. lin. ft.	December 3, 1901.

CONTRACTS IN FORCE IN THE CITY COMMISSIONER'S DEPARTMENT, DECEMBER 31, 1896—Continued.

No.	CONTRACTOR.	To FURNISH	For	Price.	(INCLUDING GUARAN- TIES) EXPIRES.
306	Jones, Pollard & Co.	Paving	Mt. Royal avenue.....	Asphalt block paving, including removal old cobble pavement, flags, gutterstones and 4-inch kerbstones, and including foundation, \$2.0643 per sq. yd.; setting 6-inch kerb, furnished by city, 10c. lin. ft.; old 6-inch kerb, straight and curved, re-dressed, rejointed and reset, 15c. lin. ft.; old flags to be taken up and hauled to Patapasco and Luzerne streets, 6c. sq. ft.; old 4-inch kerb to be taken up and hauled as above, 7c. lin. ft.; cobble repaving in cross streets, including necessary sand and gravel, 4c. sq. ft.; resetting kerb in cross streets, including necessary sand and gravel, 8c. lin. ft.....	October 26, 1901.
308	Timothy Bresnan....	"	Presbury street.....	Private contract. Street repairs guaranteed.	August 15, 1898.
309	James P. McGovern.	"	Baker street.....	Grading, 10c. cub. yd.; cobble paving, including gutterstones, 6c. sq. ft.; 5-inch kerb and kerb circles, 70c. lin. ft.; 4½-inch kerb and kerb circles, 40c. lin. ft.; flag-stone crossings, including blocks, 34c. sq. ft.; repaving, including gutterstones, etc., 2c. sq. ft.; resetting kerbs and circles, 5c. lin. ft.; relaying flagstones, 6c. sq. ft.....	.....

310	Patrick Reddington..	Paving	Bayard street	Grading, 15c. cub. yd.; cobble paving, including gutterstones, 6½c. sq. ft.; 5-inch kerb and circles, 60c. lin. ft.; flagstone crossings, including Belgian blocks, 34c. sq. ft.; cobble repaving, including gutterstones, etc., 3c. sq. ft.; resetting kerbs and circles, 8c. lin. ft.; relaying flagstones, 6c. sq. ft.; 4½-inch kerb and circles, 50c. lin. ft.
311	Patrick Reddington.	"	Marshall street	Grading, 20c. cub. yd.; cobble paving, including gutterstones, 7½c. sq. ft.; 5-inch kerbstones and circles, 60c. lin. ft.; 4½-inch kerbstones and circles, 50c. lin. ft.; flagstone crossings, including blocks, 34c. sq. ft.; cobble repaving, including gutterstones, etc., 3c. sq. ft.; resetting kerbs and circles, 8c. lin. ft.
312	" ..	"	Bruce alley	Grading, 15c. cub. yd.; cobble paving, including gutterstones, 8c. sq. ft.; 5-inch kerb and circles, 60c. lin. ft.; 4½-inch kerb and circles, 40c. lin. ft.; flagstone crossings, including Belgian blocks, 34c. sq. ft.; cobble repaving, including gutterstones, etc., 3c. sq. ft.; resetting kerb and circles, 8c. lin. ft.; relaying flagstones, 6c. sq. ft.
313	Patrick Keely	"	Lawrence street	Grading, 15c. cub. yd.; cobble paving, including gutterstones, 6½c. sq. ft.; 5-inch kerbstones and circles, 65c. lin. ft.; 4½-inch kerbstones and circles, 45c. lin. ft.; flagstone crossings, including blocks, 33c. sq. ft.; cobble repaving, including gutterstones, etc., 3c. sq. ft.; resetting kerbs and circles, 8c. lin. ft.; relaying flagstone crossings, 2c. sq. ft.

CONTRACTS IN FORCE IN THE CITY COMMISSIONER'S DEPARTMENT, DECEMBER 31, 1896—Continued.

No.	CONTRACTOR.	To FURNISH	For	PRICE.	(INCLUDING GUARANTIES) EXPIRES.
314	Patrick Keelty.....	Paving	Covington street.....	(Grading, 15c. cub. yd.; cobble paving, including gutterstones, 6½c. sq. ft.; 5-inch kerbstones and circles, 65c. lin. ft.; 4½-inch kerbstones and circles, 50c. lin. ft.; flagstone crossings, including Belgian blocks, 33c. sq. ft.; cobble repaving, including gutterstones, etc., 2½c. sq. ft.; resetting kerbs and circles, 6c. lin. ft.; relaying flagstones, 3c. sq. ft.).....	
315	Chas. J. Philbin & Co	"	Canton and Luzerne sts.	(Grading, 11c. cub. yd.; cobble paving, including gutterstones, 7½c. sq. ft.; 5-inch kerbstones and circles, 62½c. lin. ft.; 4½-inch kerb and circles, 47½c. lin. ft.; flagstone crossings, including blocks, 28c. sq. ft.; cobble repaving, including gutterstones, etc., 3c. sq. ft.; resetting kerbstones and circles, 7½c. lin. ft.; relaying flagstone crossings, 2½c. sq. ft.).....	September 4, 1898.
316	Chas. J. Philbin & Co	"	Beason street.....	(Grading, 14c. cub. yd.; cobble paving, including gutterstones, 7½c. sq. ft.; 5-inch kerb and circles, 62½c. lin. ft.; 4½-inch kerb and circles, 47½c. lin. ft.; flagstone crossings, including blocks, 28c. sq. ft.; cobble repaving, including gutterstones, etc., 2½c. sq. ft.; resetting kerb and circles, 7c. lin. ft.; relaying flagstone crossings, 2½c. sq. ft.).....	

317	William Collett and Wm C. Sherer,....	Paving	Fulton avenue from Clif- ton ave. southward....	Maintenance of paving.....	September 17, 1898
318	M. F. Leonard.....	"	McElderry street.....	Private contract. Street repairs guaranteed.	" 4, "
319	Timothy Bresnan...	"	Montrose street.....	Private contract. Street repairs guaranteed.	"
320	Patrick Keely.....	"	McElderry street.....	Private contract. Street repairs guaranteed.	"
321	P. Flanagan & Co....	Construction	Beason street sewer, with branches.....	Construction main sewer.....\$8,277 Construction branch sewer in Garrett street..... 300	October 1, 1898. September 17, 1898.
322	Joseph Gallagher....	Paving	Kirby's lane.....	Private contract. Street repairs guaranteed.	October 1, 1898.
323	M. F. Leonard.....	"	Orleans street.....	Private contract. Street repairs guaranteed.	September 17, 1898.
324	M. F. Leonard.....	"	Intersection of Oliver st., Harford and Central avenues.....	Grading, 17c. cub. yd.; cobble paving, in- cluding gutterstones, 6c. sq. ft.; 4½-inch kerb and circles, 47c. lin. ft.; flagstone crossings, including Belgian blocks, 35c. sq. ft.; cobble repaving, including gutter- stones, etc., 3c. sq. ft.; resetting kerbs and circles, 7c. lin. ft.; relaying flag- stones and Belgian blocks, 4c. sq. ft.....	November 10, 1898.
325	Patrick Reddington.	Construction	Charles st. sewer ext., 23d to 25th streets....	Upon completion and acceptance, the con- tractor to receive \$4,353 in full payment for material and labor.....	.....
327	Patrick Keely.....	"	Sewer in Camden st. from Howard to Eutaw st....	Contractor to receive \$490 in full payment upon completion and acceptance.....	.....
328	Patrick Keely.....	"	Sewer in Henrietta street from Howard to Eutaw street.....	Contractor to receive \$645 in full payment upon completion and acceptance.....	.....

CONTRACTS IN FORCE IN THE CITY COMMISSIONER'S DEPARTMENT, DECEMBER 31, 1896—Concluded.

No.	CONTRACTOR.	To FURNISH.	For	PRICE.	(INCLUDING GUARANTIES) EXPIRES.
329	Francis E. Yewell...	Paving	Portions of St. Paul, 28th, 29th and Calvert streets.....	Maintenance of street guaranteed.....	December 4, 1898.
330	Charles Weber, Jr....	"	South half of Montrose st., about 150 feet.....	Maintenance of street guaranteed.....	
331	Daniel Sullivan.....	Macadamiz'g	Augusta avenue.....	The contractor to receive \$1,089 in full payment upon completion of the work and its acceptance by the City Commissioner	
333	James P. McGovern....	Paving	Madison street.....	Private Contract. Street repairs guaranteed.	
334	F. W. Trimble.....	"	Presbury street (south half).....	.....
335	M. F. Leonard.....	"	North avenue.....	Private Contract. Street repairs guaranteed. Grading, 15c. cub. yd.; cobble paving, including gutterstones, 5½c. sq. ft.; 5-inch kerbs and circles, 65c. lin. ft.; 4½-inch kerbs and circles, 47c. lin. ft.; flagstone crossings, including Belgian blocks, 32c. sq. ft.; cobble repaving, excluding gutterstones, etc., 3½c. sq. ft.; resetting kerbs and circles, 7c. lin. ft.; relaying flagstone crossings, 4c. sq. ft.; for new gutterstones, 24c. lin. ft.	
336	" ..	"	Luzerne street.....	(grading, 10c. cu. yd.; cobble paving, including gutterstones, 6½c. sq. ft.; 5-inch kerbstones and circles, 65c. lin. ft.; 4½-inch kerb and circles, 53c. lin. ft.; flagstone crossings, including blocks, 32c. sq. ft.; repaving, including gutterstones, etc., 3c. sq. ft.; resetting kerbs and circles, 7c. lin. ft.; relaying flagstone crossings, 4c. sq. ft.	

FINANCIAL STATEMENTS.

Appropriations and Expenditures Provided in Tax Levy, and Ordinances and Resolutions of 1896.

CITY COMMISSIONER.

795

ACCOUNTS.	APPROPRIATIONS.	AMOUNT EXPENDED.	BALANCE, Cr.
Repairs of sewers.....	\$ 5,000 00	\$ 4,448 34	\$ 551 66
Flags and stepping-stones.....	2,000 00	1,956 17	43 83
Repairs of paved streets.....			
Contingent fund credited to this account.....	31,000 00	30,894 02	105 98
Repairs of bridges.....			
Add by Resolution No. 104.....			
Repairs of unpaved streets.....	7,500 00	7,487 39	12 61
Paving in front of city property.....	1,500 00	1,500 00	
Rental of storage lots.....	500 00	275 97	224 03
Paving and repaving cross streets.....	800 00	252 05	547 95
Deduct by Resolution No. 83.....			
Deduct by Resolution No. 109.....			
Salaries.....	29,873 01	21,773 27	8,099 74
Maintenance of Light street bridge.....	*32,950 00	26,326 12	6,623 88
Advertising.....	5,000 00	4,282 22	717 78
Livery.....	200 00	193 09	6 91
Incidentals.....	660 00	654 32	5 68
Repaving York street.....	200 00	200 00	
Deduct by Resolution No. 104.....			
Paving McCulloh street, Ordinance No. 60.....	5,500 00	4,827 15	672 85
Repaving Mt. Royal avenue.....	15,000 00	10,579 32	4,420 68
	40,000 00	29,095 82	10,904 18

FINANCIAL STATEMENTS—Concluded.

ACCOUNTS.	APPROPRIATIONS.	AMOUNT EXPENDED.	BALANCE, Cr.
Repairing Fulton avenue.....	\$30,000 00	\$25,684 39	\$4,315 61
Paving Bush and Herkimer streets.....	1,134 78	23 17	1,111 61
Paving Patapsco street, Ordinance No. 47, Section 2.....	12,000 00	9,047 93	2,952 07
Paving Luzerne street, Ordinance No. 48.....	8,000 00	4,716 11	3,283 89
Repairs of sewers, deficiency, 1895.....	1 00	1 00	.....
Repairs of paved streets, deficiency, 1895.....	114 67	114 67	.....
Repairs of roads, streets, etc., Annex, deficiency, 1895.....	493 26	493 26	.....
Maintenance Light street bridge, deficiency, 1895.....	309 51	309 51	.....
Salaries in Annex.....	2,000 00	1,028 61	971 39
Repairs of roads, streets, etc., Annex.....	\$15,000 00		
Deduct by Resolution No. 70.....	\$ 198 32		
Deduct by Resolution No. 71.....	407 50		
Deduct by Resolution No. 86.....	592 75		
Deduct by Resolution No. 87.....	1,673 31		
Deduct by Resolution No. 106.....	1,500 00		
	<u>4,371 88</u>		
Repairs of Falls road, Resolution No. 70.....	10,628 12	10,573 86	54 26
Repairs Gilmore's lane, Resolution No. 71.....	198 32	198 32	.....
Repairs gutters, Old Frederick road, Resolution No. 86.....	407 50	407 50	.....
Repairs Garrison Forrest lane, Resolution No. 87.....	592 75	592 75	.....
Repairs Augusta avenue, Resolution No. 106.....	1,673 31	1,673 31	.....
Construction Frederick road foot-bridge.....	1,500 00	70 10	1,429 90
Repairs board-walk, Pulaski street, Resolution No. 5.....	300 00	212 59	87 41
Paving intersection Canton and Luzerne streets, Resolution No. 83.....	50 00	38 33	11 67
Paving intersection Oliver st., Harford and Central aves., Res. No. 109.....	781 36	781 36	.....
	450 78	450 78	.....
	\$248,318 37	\$201,162 80	\$47,155 57

* For the first four months of the year 1896 there was charged \$7,412 to specific work, instead of to salaries, on account of our not being able to anticipate the large salary appropriation. This accounts for the balance of \$6,023.88 reverting to the treasury.

STATEMENT OF EXPENDITURES MADE IN PAVING STREETS UNDER THE GENERAL PAVING AND ASSESSMENT LAW OF 1893.

CITY COMMISSIONER.

797

ACCOUNT.	STREET FROM.	STREET TO.	ORDINANCE.	EXPENDED PRIOR TO 1896.	EXPENDED IN 1896.	TOTAL EXPENDED.
Paving Baker st.	Fulton ave.	Liberty road ...	118, Oct. 10, 1895 ..	.....	\$ 24 08	\$ 24 08
" North ave.	York road.	Washington	123, July 27, 1896 ..	.....	14 50	14 50
" Twenty-third st.	York road.	Oak.	142, Sept. 28, 1896 ..	.....	4 00	4 00
" Whitelock st. ...	North ave.	Linden ave.	111, May 18, 1895 ..	\$ 287 64	6,972 49	7,260 13
" Chase st.	Castle.	Patt'son Pk. ave.	103, May 11, 1895 ..	237 79	3,531 28	3,769 07
" Cannon st.	Oliver.	Monument.	100, June 10, 1895 ..	649 41	13,900 87	14,550 28
" Cannon st.	Eastern ave.	Fait ave.	75, May 22, 1895 ..	.....	3,901 46	3,901 46
" Clement st.	Hull.	Garrett.	125, July 3, 1894 ..	25 00	2,746 11	2,771 11
" Lawrence st.	Fort ave.	Clement.	128, July 3, 1894 ..	.....	16 95	16 95
" Eastern ave.	Luzerne.	East city limits.	203, June 26, 1893 ..	517 81	4,786 66	5,304 47
" Bruce alley.	Baker.	North ave.	49, March 27, 1896 ..	.....	26 40	26 40
" Ridgely st.	Ostend.	Bayard.	94, May 18, 1894 ..	648 89	20 00	668 89
" Marshall st.	Beverly.	Fort ave.	137, May 9, 1893 ..	.....	78 50	78 50
" Bayard st.	Columbia ave.	Paca.	93, May 18, 1894 ..	25 00	92 05	117 05
" Mount st.	Northwest.	North ave.	165, Nov. 2, 1896 ..	.....	4 75	4 75
" Pulaski st.	Baltimore.	Frederick ave. ..	147, June 23, 1890 ..	3,022 64	15 09	3,037 73
" Northwest st.	Calhoun.	Fulton ave.	159, Nov. 2, 1896 ..	.....	4 87	4 87
" Milton ave.	Orleans.	Monument.	90, June 3, 1895 ..	260 56	3,655 97	3,916 53
" Luzerne st.	Baltimore.	Fayette.	144, Sept. 28, 1896 ..	.....	29 19	29 19
" Preston st.	Chester.	Patt'son Pk. ave.	102, June 11, 1895 ..	9 99	3,244 05	3,254 04
" Preston st.	Washington.	Gay.	104, May 1, 1893 ..	965 30	1,057 97	2,023 27
" Riggs ave.	Patt'son Pk. ave.	Potomac.	106, June 14, 1895 ..	25 50	9,869 05	9,894 55
" Oliver st.	Fremont ave.	Calhoun.	11, March 8, 1895 ..	244 47	3,381 87	3,626 34
" Oliver st.	Guilford ave.	Greenmount ave.	177, May 22, 1893 ..	3,629 05	15 60	3,644 65
" Oliver st.	Aisquith.	Harford ave.	178, May 22, 1893 ..	.....	1,661 01	1,661 01
" Beason st.	Andre.	Steuart.	90, May 18, 1894 ..	.....	159 49	159 49
" Beason st.	Andre.	Hull.	163, May 12, 1893 ..	.....	26 85	26 85

STATEMENT OF EXPENDITURES MADE IN PAVING STREETS, Etc.—Concluded.

ACCOUNT.	STREET FROM.	STREET TO.	ORDINANCE.	EXPENDED PRIOR TO 1896.	EXPENDED IN 1896.	TOTAL EXPENDED.
Paving Richardson st..	Clement.....	Beason	91, May 18, 1894..	.....	\$ 15 75	\$ 15 75
" Monroe st.....	Columbia ave....	Monroe st. bridge	95, May 18, 1894..	.....	46 38	46 38
" Gunpowder st..	Columbia ave....	Ohio ave	97, May 18, 1894..	.....	25 35	25 35
" Montford ave..	Baltimore.....	Monument.....	109, June 18, 1895..	\$259 58	4,324 51	4,584 09
" Rose st.....	Foster ave.....	Fait ave.....	114, June 24, 1895..	197 66	754 30	951 96
" Brevard st.....	Preston	Biddle.....	191, May 25, 1893..	396 25	1,242 88	1,639 13
" Wolfe st.....	Biddle.....	Gay.....	105, May 1, 1893..	519 58	2,093 56	2,613 14
" Johnson st.....	Randall.....	Wells.....	108, May 31, 1894..	321 24	1,002 12	1,323 36
" Appleton st....	Edmondson ave..	Harlem ave....	44, June 4, 1874 ..	283 21	549 65	832 86
" Andre st.....	Clement	Marlott	162, May 12, 1893..	.....	53 89	53 89
" Covington st...	Fort ave	Wells.....	127, July 3, 1894..	238 83	97 10	335 93
" Luzerne st.....	Eastern ave....	Canton ave....	97, June 7, 1895 ..	260 56	1,164 79	1,425 35
" Luzerne st.	Fayette.....	McElderry	48, March 27, 1896.	.....	1,170 72	1,170 72
" Barclay st.....	North ave.....	Twenty-first...	196, May 25, 1893..	.....	843 86	843 86
" Federal st.....	Aisquith	Eden	189, May 25, 1893..	9 20	1,167 98	1,177 18
" Lanvale st.....	Bond	Broadway	92, May 18, 1894..	.....	297 86	297 86
" Spring st.....	Preston	Hoffman.....	174, May 22, 1893..	.....	823 18	823 18
" Jefferson st....	Patt'son Pk. ave.	Milton ave....	88, June 3, 1895..	354 88	1,985 22	2,340 10
" Hamburg st....	Riverside ave...	Federal Hill Pk.	101, May 11, 1895..	253 26	2 00	255 26
" Patapsco st., (Section 1)	Baltimore.....	Monument.....	47, May 27, 1896..	.....	745 82	745 82
" McCulloh st....	North ave.....	Druid Hill Park.	69, May 11, 1894..	76 21	3,219 71	3,295 92
" Chester st.....	Eager	Biddle.....	89, June 3, 1895 ..	288 37	2,712 65	3,001 02
Footways.....	.....	.....	Article 48, Section 56, City Code....	.....	3,748 90	3,748 90
				\$14,007 88	\$87,329 29	\$101,337 17

APPROPRIATIONS AND EXPENDITURES UNDER THE VARIOUS LOAN ACCOUNTS, INCLUDING THE
 APPROACHES TO NORTH AVENUE BRIDGE, FUNDS FOR WHICH WERE PROVIDED BY THE
 MARYLAND CONSTRUCTION COMPANY UNDER THE ARBITRATION BETWEEN THE
 CITY AND THE BALTIMORE BELT RAILROAD COMPANY.

ACCOUNT.	APPROPRIA- TIONS.	EXPENDED.	EXPENDED IN PREVIOUS YEARS.	EXPENDED IN 1896.	BALANCE, (R.
Low street sewer.....	\$ 5,000 00	\$ 3,384 21	.....	\$ 3,384 21	\$ 1,615 79
Fulton avenue sewer, Ordinance No. 61 of 1896.	2,587 08	2,038 94	.....	2,038 94	548 14
Fulton avenue sewer, Ordinance No. 15 of 1889.	23,000 00	19,099 61	\$ 18,795 18	304 43	3,900 39
Beason street sewer.....	11,892 05	7,126 63	.....	7,126 63	4,765 42
Sewer in private alley, Greene to Pearl street....	1,800 00	1,379 13	.....	1,379 13	420 87
Inlets to Jenkins Run sewer.....	853 35	853 35	.....	853 35	.....
Completion North avenue bridge.....	90,000 00	71,188 52	35,663 32	35,525 20	18,811 48
Approaches North avenue bridge.....	101,824 61	101,824 61	79,643 83	22,180 78	.....
Alluvion street sewer.....	140,000 00	75,695 55	3,163 11	72,532 44	64,304 45
Brice alley sewer.....	24,000 00	20,563 01	4,712 33	15,850 68	3,436 99
Bruce alley sewer.....	\$78,700 00				
Deduct by Ord. No. 61 ...	\$2,038 94				
Deduct by Res. No. 47....	214 78				
				2,253 72	
Bush street sewer.....	76,446 28	59,376 80	53,562 64	5,814 16	17,069 48
Bruce alley sewer.....	388,344 25	388,344 25	386,933 70	1,410 55	.....
Fremont avenue sewer.....	33,000 00	32,998 00	32,866 19	131 81	2 00
	113,200 00	91,412 79	58,202 88	33,209 91	21,787 21

APPROPRIATIONS AND EXPENDITURES UNDER THE VARIOUS LOAN ACCOUNTS, Etc.—Concluded.

ACCOUNT.	APPROPRIATIONS.	EXPENDED.	EXPENDED IN PREVIOUS YEARS.	EXPENDED IN 1896.	BALANCE, Cr.
Fort avenue sewer.....	\$66,000 00				
Deduct by Ordinance No. 99	6,892 05				
		\$ 59,107 95	\$ 54,630 99	\$ 4,476 96	.....
North Charles street sewer.....	\$91,800 00				
Deduct by Res. No. 99. . . \$ 853 35					
Deduct by Ord. No. 128.. . . .	8,000 00				
Deduct by Ord. No. 119.. . . .	15,000 00				
		\$ 67,946 65	56,095 07	9,899 20	\$ 1,952 38
Charles street sewer extension		8,000 00		225 94	7,774 06
Druid Hill avenue sewer.....		250,000 00		242,814 90	8,119 80
Presstman street sewer.....		50,000 00		29,163 72	19,861 28
Chatsworth Run sewer extension...		624 64		624 64	20,836 28
Patapsco street sewer extension.....	\$52,000 00				.....
Deduct by Ordinance No. 99.....	5,000 00				
		47,000 00	40,175 25	3,391 97	3,432 78
Harford Run improvement.....		7,594 49		4,458 96	3,135 53
Carey street relief sewer	\$275,000 00				
Deduct by Ordinance No. 90 of 1895.	200 00				
		274,800 00	274,663 25	82 24	54 51
Camden street sewer.....		1,000 00		19 22	980 78
Henrietta street sewer.....		1,000 00		145 41	854 59
Eager street sewer.....		16,000 00		55 10	15,944 90
Stockholm street sewer.....		40,000 00		53 57	39,946 43
Inlets, Bruce alley and Presbury street.....		214 78		214 78	.....

Sewer-traps, Mt. Royal ave. and McMechen st..	691 55	691 55	691 55	691 55	691 55
Hoffman street sewer	3,000 00	2,350 14	2,350 14	2,350 14	649 86
Repaving Broadway	37,064 33	35,410 40	35,410 40	35,410 40	1,683 93
Repaving Pearl street	20,064 55	9,146 60	9,146 60	9,146 60	10,917 95
Repaving Aliceanna street	47,000 00	27,786 10	27,786 10	27,786 10	19,213 90
Paving Fort avenue	100,000 00	72,122 19	72,094 19	28 00	27,877 81
Repaving Lafayette avenue, Ord. No. 55, 1893..	3,475 72	3,475 72	3,475 72	3,475 72	.....
Repaving St. Paul street, Ord. No. 21, 1893.....	7,318 72	7,318 72	7,318 72	7,318 72	.....
Repaving McCulloh street, Ord. No. 212, 1893..	2,799 91	2,799 91	2,799 91	2,799 91	.....
	\$2,056,680 91	\$1,757,577 90	\$1,415,199 47	\$342,378 43	\$299,103 01

STATEMENT OF PERMITS ISSUED BY THE CITY COMMISSIONER'S DEPARTMENT DURING THE YEAR 1896.

The permits issued during the year number 1,401. Classified, they are as follows:

To the Consolidated Gas Company.....	117
For water service pipes.....	135
To the various corporations, for erecting, changing and renewing telegraph, trolley and guy posts.....	173
To various parties, for laying and repairing private drains.....	523
For setting, resetting and cutting curb.....	209
“ miscellaneous repairs to streets.....	39
“ constructing driveways across footways.....	55
“ planting trees along footways.....	18
“ repairs to bridges.....	3
“ constructing sewers.....	3
“ laying subway conduits.....	18
“ hauling cables.....	11
“ erecting hitching posts.....	14
“ blasting.....	17
“ constructing and removing street railway tracks.....	18
“ placing gasoline tanks under footways.....	5
“ grading, curbing and paving streets.....	27
“ constructing footways.....	16

During the year 1896 there was collected in this department and paid to the City Register the sum of \$6,009.97.

By months the collections were:

January.....	\$ 231 44
February.....	671 42
March.....	325 25
April.....	329 75
May.....	526 30
June.....	1,249 12
July.....	624 84
August.....	380 49
September.....	587 06
October.....	452 40
November.....	407 85
December.....	224 05
	<hr/>
	\$6,009 97

This money was collected for permits to lay private drain pipes, for sale of old material, for establishment of grades, for copying records, and from other sources, as provided by law.

GRADES ESTABLISHED DURING THE YEAR 1896.

STREETS.	STREET FROM.	STREET TO.	REMARKS.
Morris alley	Whitlock	Brooks	
Bradish	North avenue	Walbrook avenue	
Richardson	Clement	Beason	
Andre	Clement	Marriott	
Beason	Andre	Stewart	
Clement	Garrett	Hull	
Alley between Callow and Park avenues and	Reservoir	Newington avenue	
Sycamore	Third avenue	820 feet southward	
Gunpowder	Columbia avenue	Ohio avenue	
Monroe	Columbia avenue	Monroe street bridge	
East	Baltimore	Fayette	
Fayette	Luzerne	Eastern city limits	
St. Paul	Twenty-seventh	Waverly avenue	
Bruce alley	Walbrook avenue	Clifton avenue	
Sargent	Wooster	Bayard	
Castle	North avenue	Lanvale	
Townsend	Washington	Chester	
Irving avenue	McHenry	New Frederick road	
McHenry	Augusta avenue	Loudon avenue	
Montford avenue	McElderry	Monument	
Luzerne	Fayette	McElderry	
Patapsco	Baltimore	Monument	
McElderry	Milton avenue	Chesapeake	
Cannon	Fait avenue	Canton avenue	
Beason	Garrett	Stewart	Re-establishment.
Montrose	Monroe	Payson	
Carroll avenue	Third avenue	Southward 600 feet	

GRADES ESTABLISHED DURING THE YEAR 1896—Concluded.

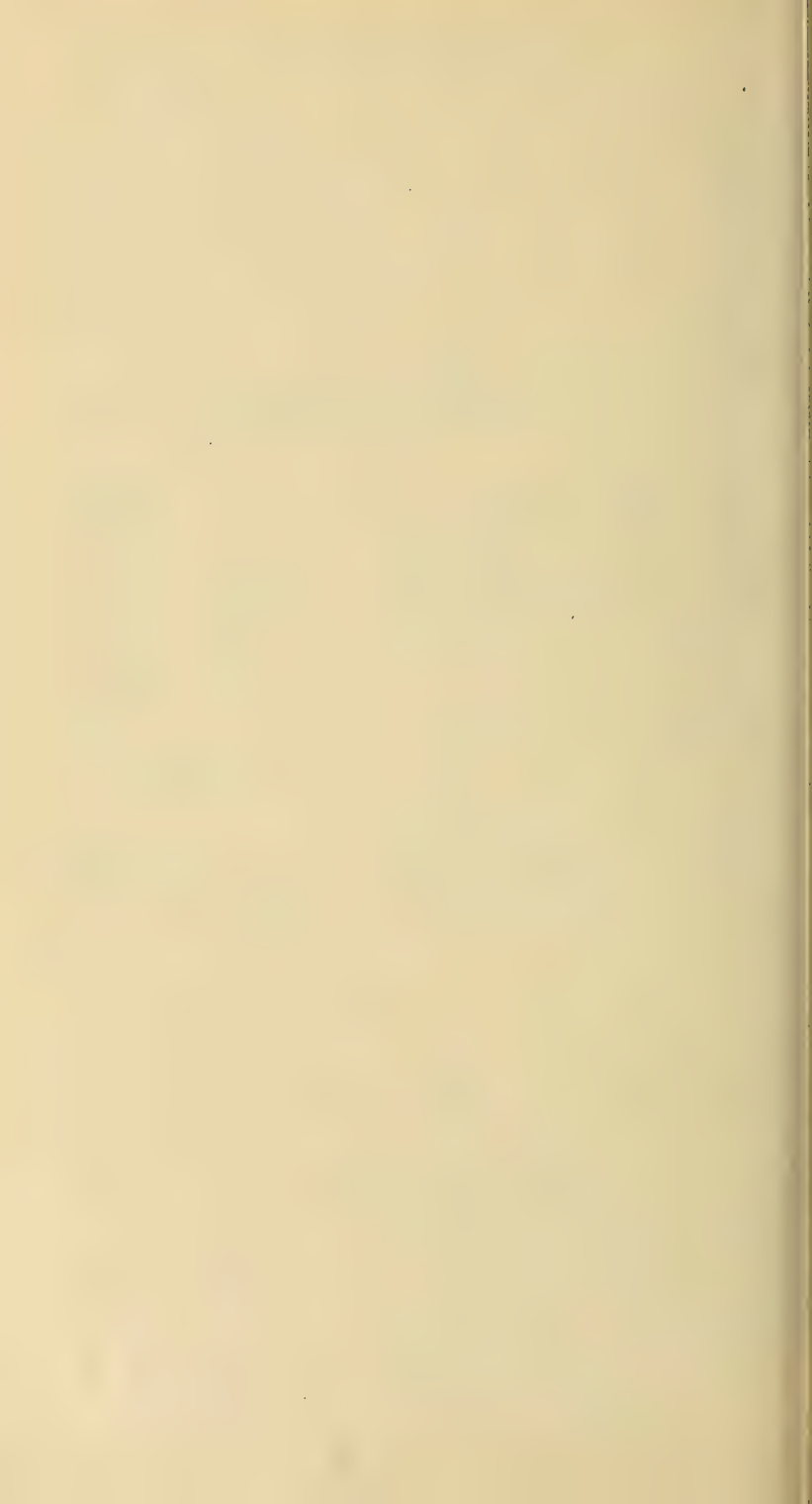
STREETS.	STREET FROM.	STREET TO.	REMARKS.
Chappell.....	Pennsylvania avenue.....	Alley between Carey street and Pennsylvania ave....	
Carey.....	Presstman.....	Chappell.....	
Montford avenue.....	Fairmount avenue.....	Fayette.....	Re-establishment.
Beason.....	Andre.....	Hull.....	
Fayette.....	Patapsco.....	East.....	Re-establishment.
East.....	Fayette.....	Fairmount avenue.....	
Mount.....	Northwest.....	North avenue.....	
Northwest.....	Fulton avenue.....	Calhoun.....	
Beason.....	Andre.....	Stewart.....	
Luzerne.....	Baltimore.....	Fayette.....	

ESTIMATED AMOUNT OF MONEY REQUIRED FOR THE CITY
COMMISSIONER'S DEPARTMENT FOR THE YEAR 1897. 28

For repairs of sewers.....	\$ 10,000 00
“ repairs and painting bridges....	20,000 00
“ repairs of paved streets.....	125,000 00
“ repairs of unpaved streets	8,000 00
“ paving in front of city property.....	300 00
“ paving and repaving cross streets	40,000 00
“ flag and stepping-stones.....	2,500 00
“ livery and transportation.....	2,000 00
“ incidentals.....	200 00
“ Light street bridge, maintenance.....	11,170 00
“ salaries.....	40,000 00
“ rental of storage lots.....	200 00
“ advertising.....	200 00
“ macadamizing Augusta avenue.....	1,089 00
	<hr/>
	\$260,659 00

FOR ANNEX:

For repairs of streets, roads and bridges	20,000 00
Total	<hr/>
	\$280,659 00



ANNUAL REPORT

— OF THE —

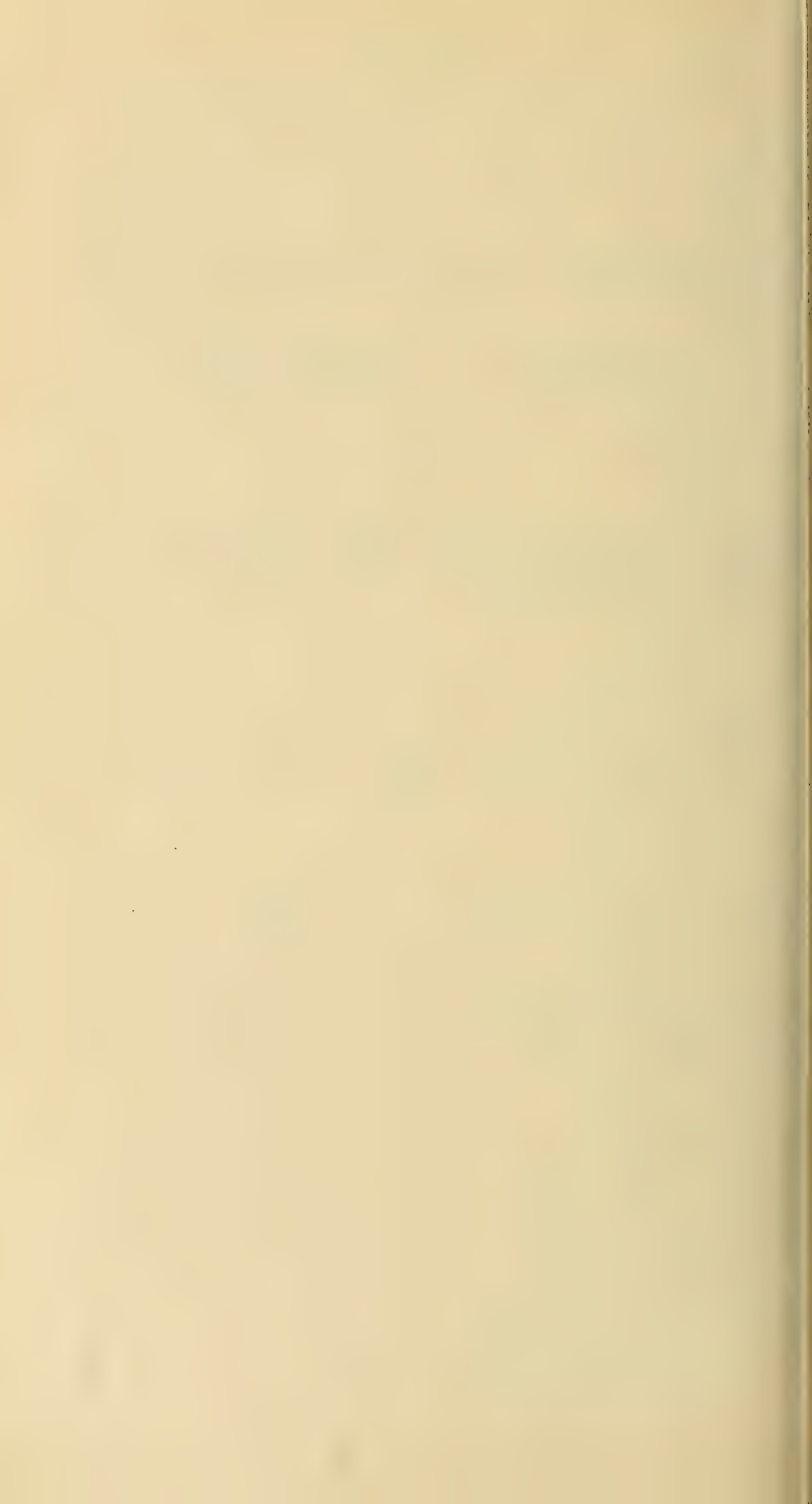
EXAMINER OF TITLES

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



REPORT.

OFFICE OF THE EXAMINER OF TITLES,

BALTIMORE, January 5th, 1897.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: I have great pleasure in submitting my first annual report as the Examiner of Titles for the Mayor and City Council of Baltimore, from the first day of March, 1896, to the first day of January, 1897, covering a period of ten months.

The vast amount of intricate detail and constant investigations which it is the duty of this office to accomplish and perform might not be set forth in such a report as this, save by reference to the several matters and to the Records, both of this office and of the other city offices to which from time to time I have made reports and given opinions. The state of the current business has been, as your Honor will remember, constantly and regularly made known to your Honor by word of mouth, so that this Report is after all but an epitome of many informal reports already made.

First—Concerning the work of the Assistant Examiners, appointed by and directly responsible to the Examiner of Titles under the Code, Article 13, Section 17 (Adam Denmead, Charles W. Nash and William P. Lewis, Jr., Esquires, and Mr. William P. Twamley, all of whom are expert in city work, faithful and diligent), I would speak of their work first of all, in order that I may then separately speak of that which has been performed by the Examiner of Titles himself without assistance. The work of these Assistant Examiners has been confined wholly to the matter of searches and abstracts for the acquirement by the city of new property, street beds, park lands, school-houses, Fire Department houses, library sites and the like, all under the constant supervision of the Examiner of Titles, who must (in addition to his other labors) read over, correct and amend (when needed) all their reports and abstracts before he signs

in approval under the Code. Here I may state that I have introduced this innovation, that I require each Assistant Examiner to sign and swear to his abstracts before I will finally approve them, always, of course, advising him from time to time as his work progresses. This is as it should be, for he is paid his fees (under the Code) by the city, and not by the Examiner of Titles, and he ought, therefore, to give the city his formal certificate of the correctness and sufficiency of his work. In addition to the ordinances passed by the City Council of 1895-96, and by the present City Council, I have inherited from my predecessors say thirty-five ordinances for street openings, and say fifteen for street closings (dating from 1880 to 1895), which for one reason or another have never been executed. *Theoretically*, my official duty respecting all such ordinances is clearly laid down in the Code (Article 13, Sections 15 to 18, especially the opening sentence of Section 16), but due consideration of this report will, I trust, make it sufficiently apparent that *practically* no Examiner of Titles, however diligent, however willing, could possibly undertake himself the preparation of the abstracts (with the searches involved) requisite to pass these ordinances through his office without gross neglect of his own first duty which is *to the present administration*. As matter of history, indeed, City Code, Sections 17 and 18 of Article 13 were passed, and Section 23 of Article 48 was amended, to meet this difficulty, as the work of the Examiner of Titles in person serving the several city departments according to his office under City Code, Article 13, Sections 15 and 16, grew and grew in volume and detail almost beyond what one man may do.

The *second* part of this report will show the immense amount of work that I have myself (unassisted) done in these last ten months. I have abided by it night and day that nothing should go over that might be closed up at the end of the year 1896. Thus the necessity to keep the Assistant Examiners constantly employed on street work is not merely to be found in the plain law (as laid down in the City Code as aforesaid), but in the dictates of prudence and good management, till all existing ordinances have been executed or repealed, that this administration may go out of office with a clean sheet, or nearly as may be. Council after Council has met and finally adjourned since most of these old ordinances were passed, thereby affirming the necessity for their due execution. The Code is mandatory that I *shall* employ assistants for such purposes, and the manner and time for pay-

ment of the fees of my assistants (even to the method of determining the amount of such fees as are "reasonable in the premises") is therein clearly laid down. Nevertheless, it is my opinion, after careful investigation, that about one-half of these old ordinances ought now to be wholly repealed (for reasons not meet to be stated publicly), and only the balance of them executed; but that is for the City Council to determine. This is a matter of no light importance, and deeply concerns the public, as I know from being compelled to listen to delegations of citizens from different sections of the city, urging the execution or repeal of such and such of these old ordinances, and giving apparently good reasons therefor.

The Code wisely makes my assistants' fees part of the "expenses" in street cases, and makes all the expenses a *lien* in the condemnation proceedings by the Commissioners for Opening Streets, to be paid within six months after they are incurred; hence, necessarily before assessed benefits are demandable—as matter of fact the benefits constantly produce a fund so largely in excess of all expenses that thousands and thousands of dollars have accumulated and are accumulating in the city treasury in advance of the time when it shall please the City Council to appropriate the money to pay the damages; so that these expenses are at no time an actual burden upon the city, for it goes without saying, that unless these preliminary expenses be incurred, the benefits will never be assessed, and can never be collected. To say that the city has not the *specific fund (denominated to each specific street)* to pay these expenses is to say that the city has now in its treasury about \$40,000 which it has unlawfully collected and retained in advance of a time that may or may not ever come. My construction of the several sections of Articles 13 and 48 of the City Code is that *all* benefits collected in the matter of opening streets are to be held by the city *as one common fund* to meet all expenses arising in street openings generally as they are incurred, which is the only defensible reason to be given why the benefits are required to be paid in *within six months* after the Commissioners for Opening Streets make their final return, though that be (as is usually the case) *several years before* the damages are included in the levy; any other construction, it seems to me, savors of a practice unworthy of our honorable municipality and of sound government.

Of course, I speak only for my own department; but surely I cannot obtain (what the City Code clearly intends as aforesaid) willing and competent assistants in street cases (whom I and I only, under the Code, may employ, working for "reasonable" fees merely, and naturally expecting my support), to do professional work for which they cannot be paid till funds are thereafter *specifically* appropriated by the City Council to pay them. Such a conclusion would simply make City Code, Article 13, Sections 17 and 18, and Article 48, Section 23, mere dead letter.

The levy for 1896, as indeed the levies for previous years, did appropriate \$800 for "assistance to the Examiner of Titles," but historically, coupled with City Code, Article 13, Sections 17 and 18, aforesaid, the intention is, and always has been, *and so has been always regarded*, that *this \$800 was not to be used in street cases at all, but for other property*, school-house lots, etc., to be acquired by the city under current ordinances, and to keep up the work of this office, as it has gradually grown to such vast proportions that no one man can properly attend to it all, regardless of street cases, the Code itself having provided for the street cases, as already shown.

My present Assistant Examiners have furnished me abstracts in the following matters, all of which I have approved and (after designating to them severally such fees as to me have seemed reasonable, subject always to the Code approval, as "reasonable in the premises," by the City Solicitor, City Counselor, etc.) duly certified to the proper city department appointed to receive the same from me, viz:

STREETS, AVENUES, LANES AND ALLEYS.

- 1—COLLINGTON AVENUE, between Biddle and Preston streets; opening (Ordinance No. 4, approved February 27th, 1896); preliminary search and abstract by Adam Denmead, Esq. (Recorded in the Examiner's Book, Liber F. W. S., No. 10, folios 1 to 59); original delivered to the Commissioners for Opening Streets.
- 2—PORT STREET, between Townsend street and North avenue; opening (Ordinance No. 50, approved March 27th, 1896); preliminary search and abstract by Wm. Penn Lewis, Jr., Esq. (Not yet recorded); original delivered to the Commissioners for Opening Streets.

- 3—NINTH or BARNUM, and HOLMES or TENTH STREETS (N. Annex), now TWENTY-EIGHTH AND TWENTY-NINTH STREETS, from Charles street to Maryland avenue; opening (Ordinance No. 101, approved May 25th, 1891, and Ordinance No. 99, approved May 25th, 1891); for information on certificates toward final report and payments under levy of 1896 by Adam Denmead, Esq.; (held up upon points of law and referred to the City Solicitor, who agrees with me that it is matter to be judicially decided).
- 4—HOLLINS STREET, from Calverton road to old city limits;
- 5—HOLLINS STREET, from old city limits to Catherine street; opening (Ordinance No. 41, approved April 10th, 1890, and Ordinance No. 75, approved May 24th, 1889), on certificates toward final report and payments under levy of 1896 by Adam Denmead, Esq.; (all paid off, the last one through the Circuit Court of Baltimore City upon bill filed. Recorded in Examiner's Book, Liber F. W. S., No. 11, folios 93 to 184).
- 6—DALLAS STREET, from Oliver to Lanvale streets; opening (Ordinance No. 50, approved May 1st, 1891), on certificates toward final report and payments under levy of 1896 by Mr. Wm. P. Twamley; (all paid off except as to three lots, which, for want of sufficient legal title, ought not yet to be paid, but the balance due on said lots ought to be releived in 1897 and paid after due proceedings have been had); not recorded, because not yet closed.
- 7—MADISON STREET, from Patterson Park avenue to Grove alley; opening (Ordinance No. 132, approved May 8th, 1893), on certificates toward final report and payments under levy of 1896 by Adam Denmead, Esq.; all paid off in full. (Recorded in Examiner's Book, Liber F. W. S., No. 11, folios 187 to 289).
- 8—TEN-FOOT ALLEY, between McKim and Hillman streets; opening (Ordinance No. 149, approved October 9th, 1889), on certificates toward final report and payments under levy of 1896 by Adam Denmead, Esq.; (all paid off). (Recorded in Examiner's Book, Liber F. W. S., No. 11, folios 293 to 313).
- 9—FORREST STREET, from Douglas to Fayette streets; opening (Ordinance No. 97, approved May 25th, 1891), on certificates toward final report and payments under levy of 1896 by Adam Denmead, Esq.; (all paid off in full); not recorded for lack of time.

- 10—CHEW STREET, from Chester street to Patterson Park avenue; opening (Ordinance No. 88, approved April 20th, 1893); preliminary search and abstract by Charles W. Nash, Esq.; not yet approved by me (in process).
- 11—CHASE STREET, from Patterson Park avenue to Grove alley; opening (Ordinance No. 114, approved May 3d, 1893); preliminary search and abstract by Wm. Penn Lewis, Jr. Esq.; approved by me and delivered to the Commissioners for Opening Streets in due course. (Recorded in Examiner's Book, Liber F. W. S., No. 10, folios 252 to 302).
- 12—GAY STREET, from Exeter street to Jones Falls; widening (Ordinance No. 106, approved October 17th, 1892), on certificates toward final report and payments out of the \$300,000 of loan bonds set apart, etc., and under Ordinance No. 114, approved July 6th, 1896, by Mr. Wm. P. Twamley; (paid off as far as appropriations will allow, requiring a balance to be hereafter levied to complete payment); recorded in Examiner's Book, Liber F. W. S., No. 12, folios 1 to 324.
- 13—GILMOR LANE, from Twenty-seventh to Twenty-ninth streets, N. Annex; closing (Ordinance No. 146, approved October 13th, 1896); preliminary search and report for use of City Surveyor and the Commissioners for Opening Streets by Wm. Penn Lewis, Jr., Esq.; (the earliest stages under this special ordinance, so in process).
- 14—WHITELOCK LANE, between North avenue and Francis street; closing (Ordinance No. 95, approved May 15th, 1896); preliminary search and abstract by Adam Denmead, Esq.; approved by me and delivered to the Commissioners for Opening streets. (Recorded in Examiner's Book, Liber F. W. S., No. 11, folios 39 to 83).
- 15—FOURTH LANE, or FOURTH STREET, south of Fort avenue; the part not heretofore closed in the opening of Covington street and of Randall street; closing (Ordinance No. 131, approved August 17th, 1896); preliminary search and abstract by Adam Denmead, Esq.; approved by me and delivered to the Commissioners for Opening Streets. (Recorded in the Examiner's Book, Liber F. W. S., No. 10, folios 203 to 217).
- 16—JEFFERSON STREET, from Milton avenue to Patapsco street; opening (Ordinance No. 117, approved July 22d, 1896); preliminary search and abstract by Wm. Penn Lewis, Jr., Esq.; approved by me and delivered to the Commissioners for Opening Streets. (Recorded in the Examiner's Book, Liber F. W. S., No. 10, folios 346 to 373).

- 17—CHESAPEAKE STREET, from Fait to Eastern avenues; opening (Ordinance No. 126, approved July 27th, 1896); preliminary search and abstract by Adam Denmead, Esq.; approved by me and delivered to the Commissioners for Opening Streets. (Recorded in the Examiner's Book, Liber F. W. S., No. 10, folios 332 to 344).
- 18—CHESAPEAKE STREET, from Baltimore street to Philadelphia road; opening (Ordinance No. 137, approved July 27th, 1896); preliminary search and abstract by Adam Denmead, Esq.; approved by me and delivered to the Commissioners for Opening Streets. (Recorded in the Examiner's Book, Liber F. W. S., No. 10, folios 318 to 331).
- 19—GROVE STREET, from Baltimore street to Fayette street; opening (Ordinance No. 138, approved September 18th, 1896); preliminary search and abstract by Adam Denmead, Esq.; approved by me and delivered to the Commissioners for Opening streets. (Recorded in the Examiner's Book, Liber F. W. S., No. 11, folios 1 to 36).
- 20—GLOVER STREET, from Philadelphia road to Monument street; opening (Ordinance No. 149, approved October 4th, 1896); preliminary search and abstract by Wm. Penn Lewis, Jr., Esq.; approved by me and still in hand. (Recorded in the Examiner's Book, Liber F. W. S., No. 11, folios 315 to 353).
- 21—CLEMENT STREET, from Lawrence to Hull streets; opening (Ordinance No. 167, approved November 6th, 1896, repealing and re-enacting Ordinance No. 136, approved June 4th, 1880); preliminary search and abstract (the former abstract amended and brought down to date) by Mr. Wm. P. Twamley; approved by me and delivered to the Commissioners for Opening Streets. (Recorded in the Examiner's Book, Liber F. W. S., No. 13, folios 77 to 109).
- 22—RACE STREET, from Barney to Moale streets; (Ordinance No. 113, approved May 29th, 1884); preliminary search and abstract by Mr. Wm. P. Twamley; not yet approved by me. (In process).

SCHOOL-HOUSES, LIBRARY SITES, PARK LOTS,
FIRE ENGINE-HOUSES, ETC.

- 23—ENOCH PRATT FREE LIBRARY (Branch Library), N. E. corner St. Paul street and twenty-foot alley (between Twenty-fifth and Twenty-sixth streets in N. Annex); search and abstract by Adam Denmead, Esq.; approved by me and settled accordingly. Deed drawn and approved by me and duly recorded among the Land Records. (Recorded in Examiner's Book, Liber F. W. S., No. 10, folios 93 to 114).
- 24—DRUID HILL PARK, exchange with Robt. Poole & Son Co., (Ordinance No. 42, approved March 12th, 1896); search and abstract by Mr. Wm. P. Twamley; approved by me and settled accordingly, and deeds of exchange duly recorded among the Land Records. (Recorded in Examiner's Book, Liber F. W. S., No. 10, folios 61 to 91).
- 25—NO 3 ANNEX FEMALE GRAMMAR SCHOOL, N. E. corner St. Paul and Twenty-sixth streets, (Ordinance No. 73, approved May 4th, 1896), from Philip B. Sadtler, *et al.*, trustees; search and abstract by Adam Denmead, Esq.; approved by me and settled accordingly; deed recorded among the Land Records. (Recorded in Examiner's Book, Liber F. W. S., No. 10, folios 116 to 119).
- 26—NO. 12 ENGINE-HOUSE, east side Riverside avenue (rear wall), for information of the Inspector of Buildings (see Land Records, Liber G. R., No. 659, folio 29, etc., and Judicial Records of the Superior Court of Baltimore City, Liber J. B., No. 1, folio 32, etc.); investigation and report by Adam Denmead, Esq.; (abstract in my possession, but not recorded for lack of funds).
- 27—NO. 4 SCHOOL-HOUSE (addition), No. 523 Hanover street, (Ordinance No. 11, approved February 27th, 1896, repealed and re-enacted as Resolution No. 72; time expired June 1st, 1896); from Timothy Riordan and wife, subject to an annual rent of \$60; search and abstract by Adam Denmead, Esq.; approved by me and settled accordingly; deed recorded among the Land Records. (Recorded in Examiner's Book, Liber F. W. S., No. 10, folios 121 to 195).
- 28—NO. — MALE AND FEMALE COLORED SCHOOL, S. E. corner Saratoga and Mount streets, (Ordinance No. 44, approved March 16th, 1896), from George R. Vickers, Jr., trustee, in fee; search and abstract by Wm. Penn Lewis, Jr., Esq.; approved by me and settled accordingly; deed recorded among Land Records. (Recorded in the Examiner's Book, Liber F. W. S., No. 10, folios 219 to 247).

- 29—No. 8 COLORED SCHOOL, S. E. corner Chew and Chester streets, (Ordinance No. 45, approved March 16th, 1896), from R. Walter Graham; lease for ninety-nine years, renewable and redeemable at any time at 6 per cent. capitalization, subject to the annual rent of \$700 per annum; search and abstract by Adam Denmead, Esq.; approved by me and settled accordingly; lease recorded among the Land Records. (Recorded in the Examiner's Book, Liber F. W. S., No. 10, folios 196 to 201).
- 30—No. 3 PUBLIC SCHOOL, E. Baltimore street, near Aisquith, Annex; leasehold already acquired per Liber J. B., No. 1502, folio 175, etc., Land Records (purchase of irredeemable ground rent of \$300 per annum for account of Finance Commissioners out of the sinking fund), from Wm. A. Cunningham, trustee, in fee; search and abstract by Adam Denmead, Esq.; approved by me and settled accordingly; deed recorded among the Land Records. (Recorded in the Examiner's Book, Liber F. W. S., No. 13, folios 1 to 51).
- 31—No. — FIRE ENGINE-HOUSE, N. W. corner Roland avenue and Oliver Place, N. Annex, (Ordinance No. 3, approved December 12th, 1896), from J. Wilson Patterson and wife, in fee; search and abstract by Wm. Penn Lewis, Jr., Esq.; (in process, not yet approved by me, but I have specially reported certain details of this to the Board of Fire Commissioners and to your Honor in person). (Recorded in the Examiner's Book, Liber F. W. S., No. 13, folios 53 to 74.)
- 32—No. 7 SCHOOL, S. W. corner Eastern avenue and Patuxent street, (Ordinance No. 57, approved April 16th, 1896); two separate lots—(a) from John C. Distler, Jr., and wife, southwest corner Eastern avenue and Patuxent street, west on Eastern avenue to Harrison street, by eighty feet deep. Lease for ninety-nine years, renewable forever, subject to the annual rent of \$2.75 per front foot on Eastern avenue, redeemable at any time at 6 per cent. capitalization. (b) From the Canton Company of Baltimore, west side Patuxent street (adjoining Distler's lot), eighty feet south of Eastern avenue, south two hundred and twenty feet to the north line of Canton avenue, with an even depth to Harrison street. Lease for ninety-nine years, renewable forever, subject to the annual rent of \$2.75 per front foot on Patuxent street, redeemable at any time at 6 per cent. capitalization; search and abstract by Adam Denmead, Esq.

(The matter is now ready to be closed). Recorded in the Examiner's Book, Liber F. W. S., No. 11, folios 85 to 90.

Second—Concerning the work performed by the Examiner of Titles in person, I have, of course, carefully read over and amended (when needed) all reports and abstracts in the matters aforesaid, when submitted by my Assistant Examiners before giving them my formal approval.

I have given my personal attention to each and every settlement for payment on account of damages for opening streets under the levy of 1896, per certificates from the City Collector and City Register, adding to each of said certificates my own detailed report of each material fact brought down to date of settlement, with the names of all owners of realty and leasehold alike, incumbrances required to be removed before payment, etc., some 70 or 80 certificates in all.

I have drawn some 150 deeds, releases and leases to the Mayor and City Council of Baltimore, and have seen to it that each one of such deeds, releases and leases was properly executed before signing my written certificate or warrant looking to the payment of the purchase money by the Comptroller, and have made duly written reports in each case to the Comptroller, as required of me by the City Code.

I have also read over and approved some eight deeds, etc. (prepared by counsel for the grantees) of lands, etc., conveyed by the Mayor and City Council of Baltimore to other persons, both as to their form, substance and compliance with the City Code or Ordinance, freely making such suggestions and changes to such counsel as were requisite, in my opinion, before I would approve the same.

I have carefully investigated and answered inquiries from the City Commissioner in the following matters:

Baltimore, Catonsville and Ellicott City Electric R. W. Co. (Ordinance No. 11, approved March 3d, 1896), respecting change of location of side walks and proper location of same, etc.

City and Suburban R. W. Company's tracks at east corner Frederick avenue and Pratt street.

Wilkins avenue (a matter which still deserves much attention before it is finally solved).

Andre and Beason streets (a case of dedication by deeds, as well as by payment).

Bayard street, from Paca street S. E. to the water.

Point lane, from Ensor to Eden streets.

Chestnut avenue, at Highland Park.

Patapsco street, from Baltimore to Monument streets,

Colvin street, from York road to Barclay street.

Poppleton's Plat, the copy of 1855 upon the wall of his office.

Clifton (or Augusta) avenue and Ninth street, Highland Park.

Cooksie street, from Clement to Cuba streets.

Stockholm street, from Wicomico to Scott streets.

Windsor Mill or Liberty road.

Kennedy lane.

Ten-foot alley in rear of Brady avenue in N. Annex.

Kirby's or Dorsey's lane.

Morris lane, at Walbrook.

Seventeenth street, or Third avenue, Hampden.

Addison alley, from Eagle street to the B. & O. R. R.

College alley, from Saratoga to Mulberry.

Twenty-third street, from Jones Falls to York road.

Hudson, Morton, Lovegrove and Hunter alleys, from North avenue to Huntington avenue,

East street, between Gay and Low streets.

Law as to paving by private persons.

Mosher street, from Garden street (Linden avenue) to Cathedral street.

Luzerne street, from Baltimore to Fayette street.

Beason street, near Cooksie street.

Seventy-foot street (Fayette street extended).

Gay street sidewalks.

Ten-foot alley north from Oliver street, east of Aisquith street.

Holliday street, between Monument and Centre streets.

Locust street (this answered through Mr. Twamley).

Cannon street, below Monument street.

Baker Circle.

Summit street, from Monroe street to Kirby's lane.

Kirby's lane, crossing Summit street.

Carey street at Boundary avenue (Ordinance No. 6, approved February 17th, 1893).

Calhoun and Northwest streets.

Charles street, between Wells and Winder streets; besides minor matters of lesser importance.

likewise from the Health Commissioner in the following matters:

No. 34 School, corner Carey street and Columbia avenue.

Kennedy lane.

Kirby's lane.

Gutman avenue; besides minor matters of lesser importance.

Likewise from the Inspector of Buildings:

No. 12 Engine-house, corner Fort and Riverside avenues.
Potter avenue, Hampden.

The streets on the plat of the "Hampden Association."

Frederick Street Dock, Pratt street.

Patuxent street, width by dedication, etc.; besides matters of lesser importance.

Likewise from the Water Board:

Mount Royal Reservoir tracts (twice), boundaries, etc.

Old City Hall, Holliday street.

Wolfe and Washington streets extended, rights, etc. (see also Public Park Commission); besides matters of lesser importance.

Likewise from the Public Park Commission:

Jones Falls, at Mt. Vernon Mills (Ordinance No. 5, approved February 27th, 1896).

Green Spring avenue road (Act of 1896, Chap. 366), deed executed and recorded.

Exchange with Robert Poole, data (Ordinance No. 42, approved March 12th, 1896).

Wolfe and Washington streets extended, rights, etc. (see also Water Board); besides matters of lesser importance.

Likewise from the Comptroller:

Old Western Female High School, Fayette street, leased to Fourth Regiment Field Officers, M. N. G., for Regimental Armory (Ordinance 155, approved May 12th, 1893).

Zion School premises, Gay street, leased to city for "City Hall Annex."

No. 403 Perry street, as to title, ground rent, etc. (Ordinance No. 125, approved July 27th, 1896).

Form of short lease for use in street cases (after the city has paid the full amount of damages under the levy, and until such street is actually opened to the public).

Street openings not yet concluded and finished, etc.; besides advice on several other minor matters concerning his office.

Likewise from the Appeal Tax Court:

Concerning the land title in a disputed case.

Likewise from the City Attorney:

No. 1114 E. Fayette street (taken for Forrest street), repairs, etc.

Likewise from the Fire Department:

No. 5 Truck-house, Aisquith street, alley in rear, etc.

No. 2 Engine-house, south side of Barre street, alley in rear, etc.

Wharfage site for fire-boat, searches, etc.

Likewise from the City Counselor:

Frederick Turnpike cessions, search, etc.

Likewise I have consulted with the City Solicitor and rendered him opinions in six very important matters, and also attended him in the trial of the Fairmount avenue appeals in Baltimore City Court, in which the city was wholly successful.

Likewise from various persons (usually upon reference or request from the Mayor's Office,) viz: City gas bills; deeds for tax sales; unexecuted street ordinances; claims for unpaid damages in street cases; Acts of 1896, Chap. 328 (opening streets); Dugan's Wharf rights at Pratt street; the Topographical Survey, Ordinances and Investigation; Patuxent street or Canton Co.'s Plat (twice); legal status of Gilmor lane; Charles street avenue; Spence and Gill's sewer, Northern Annex (a deed was obtained by the city under Ordinance No. 153, approved October 23d, 1896); ratification of City Code of 1893 (changing Article 47 to Article 48); blank form of deed for street cases amended for reprinting; Register or McDonogh street; Ducatel street Ordinance; law and practice for opening streets in this city; Maryland avenue Ordinance; three ten-foot alleys in northern Annex (a deed was obtained from Messrs. Spence & Gill for same); Gay street wharfage rights; New Orleans property; Friendsbury street; a supposed claim against city property (groundless); Smallwood street Ordinance; Jones Falls abutment wall (in two different places); Pulaski street; East avenue; Riggs avenue; Birkhead street; status of the York Turnpike under 80 Md. 535; the legal status of the new Commissioners for Opening Streets lately confirmed and qualified; the removal of the office of the Commissioners for Opening Streets to "Gay Street Annex;" this Annual Report: Barclay street paving at Twentieth street, etc.; besides matters of lesser importance.

As the result of my experience (both as an Assistant Examiner under my esteemed predecessor, James W. McElroy, and since I succeeded him as the Examiner of Titles ten months ago) I venture to suggest the following matters as well worthy of consideration here:

(a). The Commissioners for Opening Streets in their report for 1893 (repeated in their report for 1895, page 12), have made the following recommendations, viz:

“We respectfully suggest that there is pressing need of an official list of the streets, lanes and alleys of the city, showing their location, lines and dimensions, and embodying a history of each, disclosing the time and manner of its origin and the changes it has undergone from time to time. Such a work would be valuable for reference, since nothing of the kind is in existence now. It should define the limits of the highway; declare whether it is public or private; show when it was opened and by what process, whether by condemnation, dedication or otherwise, and what changes of name it has undergone, together with such other information as would prove useful to the average inquirer. To compile such a record properly will require intelligent work and research, but it would prove a most valuable acquisition when completed. The absence of such a convenience is embarrassing now, and its absolute necessity will be intensified and accentuated in the experience of the future,” all of which meets with my hearty approval, and I earnestly suggest the same in my official capacity. This list, however, ought to take the broader form of a “City Property Book,” and should be begun by briefing and cross-indexing all city ordinances and resolutions relating to city property from the time of the first organization of this corporation in 1797; then all Acts of the General Assembly of Maryland since 1729 relating to Baltimore Town or Baltimore City; then what remains of the proceedings for the government of Baltimore town, etc., from 1729 to 1797; then all proceedings of the old Levy Court and the County Commissioners for Baltimore County, so far as they affect public property now vested in this corporation, whether by the Constitution of 1851 or by Act of Assembly, from the earliest date to the time of last annexation in 1888; then all existing plats referred to in all the above ordinances, resolutions, acts and proceedings; and last of all, all deeds, etc., to and from those several corporate bodies of the State of Maryland of lands now within the present limits of the City of Baltimore; all to be classi-

fied and entered short (with succinct yet explicit reference to the original documents, by numbers, *libers* and *folios*, when possible, segregating all of such original documents as now remain the property of this corporation, numbering or lettering each one, and depositing all of them not already there in the office of the City Librarian for safe keeping) in some approved ledger form in one book, or series of books, alphabetically arranged, with cross references. When this much has been done, the rest will have suggested itself in the doing, and will be ready at hand to be entered in the proper places. This looks like a prodigious task; but, in fact, it is very simple indeed, and ought not to be particularly expensive. If the present City Council will appropriate say \$2,000 to commence the work this current year under your Honor's supervision, I will cheerfully act as editor (without charge) during the remainder of my present term, and I will also freely supply towards it such private data as I have accumulated. If succeeding City Councils will do the like for two or three years (under efficient management) we shall soon have all that the city needs in this respect, and all that the above Commissioners for Opening Streets have so wisely recommended. Of course, such books (when duly completed) must be duly *kept up* each year, but the cost of that would be trifling. I will add one further suggestion, that the various written opinions of the city law officers (so far as they relate to city property) be briefed and cross-indexed in one book (for private use, of course), so as to avoid confusion and repetition.

(b). The Commissioners for Opening Streets in their annual report for 1895 (page 11) make the suggestion "that all preliminary notices for street openings (and the subsequent thirty days' notice given by this Board) shall be required to provide for the condemning, opening, *grading*, *paving* and *kerbing* of a specified street or alley, and the ordinance should be in conformity therewith, thus combining the opening, grading and paving in one ordinance. This would save the expense and delay of numerous subsequent notices and ordinances, and render the opening and the enjoyment of a new highway by the public more expeditious. Many applicants for street openings are satisfied to be paid their damages, and then leave the bed of the new street unpaved for an indefinite period. If the opening, grading, paving and kerbing are all required and provided for in one ordinance, and those who want their ground opened to market

realize that they must prepare it for public use promptly, there will not be so many applications for desultory openings, nor so many paper street beds remaining unpaved and unsightly." This suggestion I most heartily recommend, so far as it goes, but I would carry it a step further. All such ordinances ought to be framed upon the theory that the city is to do this grading, paving and kerbing *at its own expense and within a reasonable time*. If this were the case the assessed benefits and damages would more nearly reconcile each other, both in the condemnation proceedings before the Commissioners for Opening Streets and before the juries in case of appeals, and so ultimately save the city much money. In such case it would be an easy matter by direct proof to determine whether the actual damage for the land taken for the street bed was more or less than the benefit following from the building of a *bona fide* street ready for public use, and the scheme for proportioning the amounts of damages and benefits respectively among those interested as owners or abutters would become matter of practical observation, no longer of expert guessing. Of course, this presupposes that the City Council should at the same time provide for the coincident payment of the excess of the damages over the benefits, if any; but I am persuaded that the amount needed for such payment would be (in ordinary cases) so very much smaller than heretofore as to justify the trial of this plan. However that may be, it is not right that it has grown to be the practice that the net damages are not usually paid for several years after all the benefits have been collected, especially is it not right toward the city, because it undoubtedly has a decided effect to swell the amount of damages assessed against the corporation.

(c). The laws respecting taxes and tax sales ought to be so amended (of course, by appeal to the General Assembly of Maryland, where the sole jurisdiction is), that tax titles ought rather to be the *best* (as they now unfortunately are the *worst*) titles in this State. The proposition that every decent land-owner must and ought to pay his assessed taxes needs no support; "absenteeism" is an offence against local self-government; the land-owner, man or woman (married or single, infant or adult, insane or sane), who claims land in Maryland, but *resides elsewhere*, is not justly entitled to the advantage over our own citizens which our present statute of limitations gives. If there be any advantage, it should be in favor of the man who pays his taxes in person,

and because he pays his taxes in person. All real taxes should be levied against the particular lot, to be taxed (regardless of any leasehold interest of recent or ancient standing, without discrimination), and not against any particular owner or owners as such; practical observation will tell any experienced person how vague and useless is the (supposed) "personal responsibility" of the person or persons against whom such tax is now levied; let them only get that magical word "disowned" to be entered on our tax books after their names, and their "personal responsibility" is ended forever! Each and every lot of ground in this city (and indeed in this whole State) should be taxed *in rem, as and for such lot of ground specially specifically and alone*, and each and every such taxation should be enforceable against such lot of ground, and each and every claimant thereof (whether named or unnamed), without the least discrimination for any cause whatsoever, *as in fee simple*; till then, and not till then, we will be able to collect all city and State taxes up to date, always in absolute and certain payment, when and as due and demandable, and we shall no longer have to submit to the disgrace of estimating the year's levy as perhaps "*seven-tenths collectible*." Did ever one hear of such an "allowance" in *private affairs*?

(d). Finally, the Examiner of Titles ought always to have at his command (at the discretion of the Mayor, from time to time), sufficient allowances, chargeable to "costs and expenses," to keep all work done through his office *properly recorded* in the Examiner's books, and all original abstracts, when so recorded, and the Commissioners for Opening Streets have done with them, should be deposited with the Comptroller for safe keeping. These abstracts are far too valuable to be at the risk they now are. I have caused all that have come into my possession to be reindexed and arranged (at the small cost of \$15), and find that only about one-third of them have ever been recorded, the originals of many which are recorded are not to be found; neither did Mr. McElroy have them when he came into office. The only escape from this serious danger is in constant and persistent recording of everything that passes through this office before it passes out again, a rule which I have observed as far as I have had the means. My recording for the period embraced by this report, when completed, will fill three of the Examiner's Books, Libers F. W. S., Nos. 10, 11 and 12, and extend into No. 13.

The work of this office is increasing very rapidly. By comparison with Mr. McElroy's last report it will be seen that it is about half as much again in 1896 as it was in 1895, so that the annual appropriation of \$800 for "assistance to the Examiner of Titles" is far too small, and ought to be increased; the safeguards upon the expenditure of this fund are so great that there is no danger of its being squandered, and it is well spent for the public advantage.

Respectfully submitted by your obedient servant,

FREDERICK W. STORY,

Examiner of Titles.

ANNUAL REPORT

— OF THE —

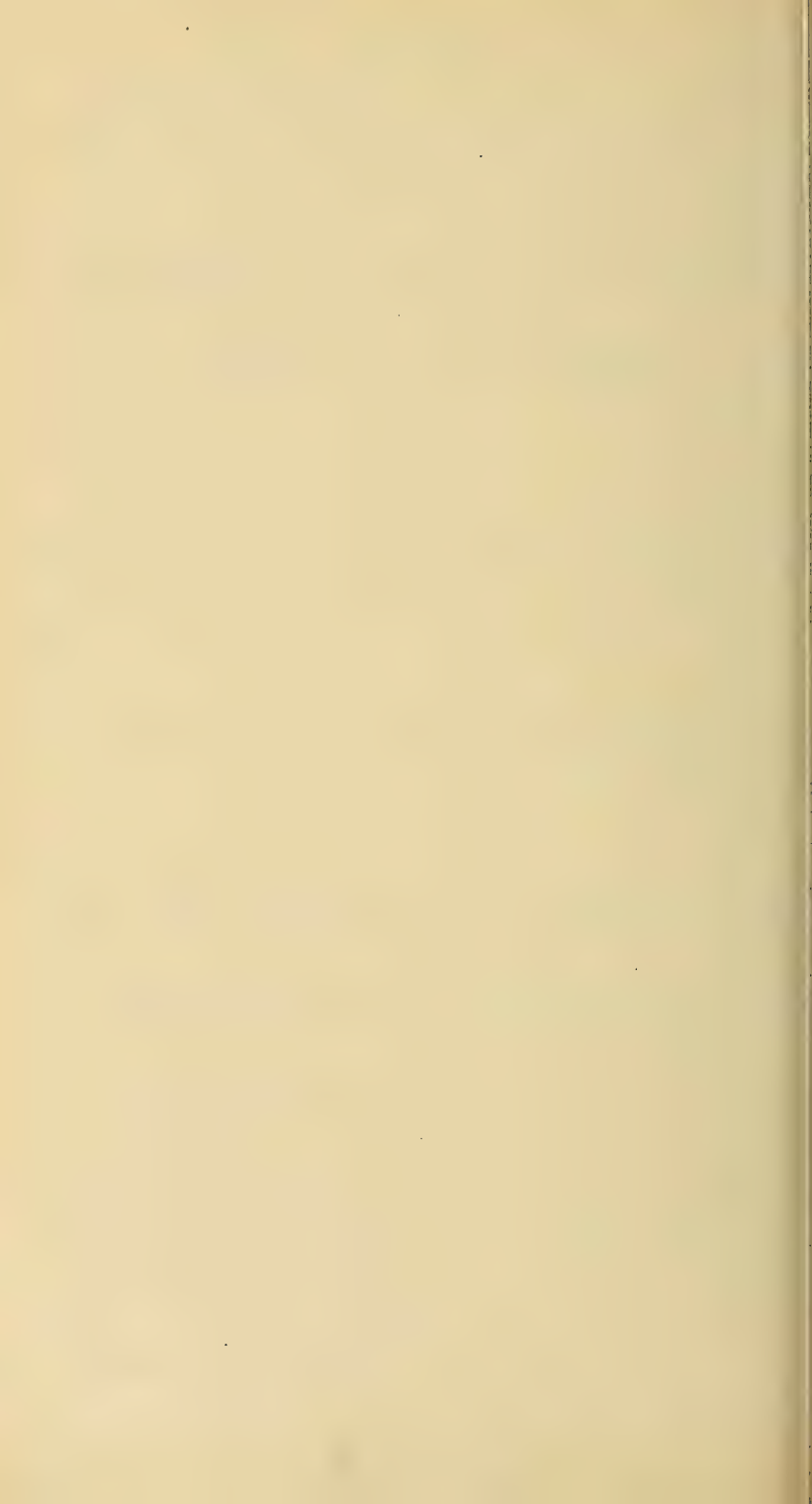
CITY SURVEYOR

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



REPORT.

OFFICE OF FRANK H. SLOAN, CITY SURVEYOR,
514 EQUITABLE BUILDING,

BALTIMORE, MD., January 20th, 1897.

Hon. Alcaeus Hooper, Mayor of Baltimore City:

DEAR SIR: In accordance with Article 49, Section 6, of the Baltimore City Code, I herewith present you my report as City Surveyor.

I would respectfully call your attention to two reports that I made you January, 1896. Below I give you a memorandum of Grade Books, Field Notes and Plans received from Mr. Augustus Bouldin, ex-City Surveyor, which are now in my possession:

Five (5) Grade Books, marked as follows:

Establishment east of the Falls—M. & C. C.
Establishment west of the Falls—M. & C. C.
Establishment of Grades—J. E. S. & C. S.
Establishment of Grades—M. & C. C.
Establishment of Grades—M. & C. C.

Fifteen (15) Field Books containing Surveys and Level Notes:

2 dated 1882.
1 " 1884.
2 " 1886.
1 " 1891.
1 " 1893.
1 " 1894.
7 with no date.

Also the following list of Plans:

Allen street, between Clement street and Fort avenue.
Bayard street, between Cleveland street and Ohio avenue.
Bethel street, between Townsend (Lafayette) and Oliver streets.
Biddle street and Eutaw street—intersection.

Bradford street, between Townsend (Lafayette) and Federal streets.

Bruce alley, from Elgin avenue to North avenue.

Brunt street, between Presstman and Wilson streets.

Burke street, between Oliver and Gay streets.

Burke street, between Townsend (Lafayette) street and Belair avenue.

Burrows street, between Claggett street and Fort avenue.

Cannon street, from Luzerne street to Eastern avenue.

Carroll street, from Bayard street to Bush street.

Castle street, from Lanvale street to North avenue.

Chase street, between Grove alley and Patterson Park avenue.

Chase street, between Grove alley and Patterson Park avenue (1893).

Chew street, from Patterson Park avenue to Chester street.

Cleveland street, from Bayard street to Bush street.

Cleveland street, from Bayard to Cross street.

Clifton avenue, between Fourth and Ninth streets.

Clifton avenue, between Seventh and Eighth streets.

Clifton Place, Grove alley and Truxton and Concord streets.

Collington avenue, from Keyser street to Monument street.

Concord street, Truxton street, Grove alley and Clifton Place.

Constitution street, between Preston and Biddle (May, '95).

Courthouse lane, between St. Paul and Calvert streets.

Covington street, from Cross street to Fifth lane.

Dallas street, from Oliver street to Lanvale street.

Ducatel street, between Robert street and Morris alley.

Ducatel street, between Robert street and Madison avenue.

Durham street, between Oliver street and North avenue.

Eighth street, from Elgin avenue to North avenue.

Elgin avenue, from Ninth street to Seventh street.

Ensor street, between Eager street and Chase street.

Ensor street, between Eager and Hoffman streets.

Etting street, between North avenue and Baker street.

Eutaw and Biddle streets—intersection.

Fairmount avenue, from Luzerne street to eastern city limits.

Fayette street, between Chesapeake and Potomac streets.

Fayette street—east extension of.

Fayette street, east and west, near Charles street.

Fayette street, from Luzerne street to east city limits.

Federal street, between Cannon street and Patterson Park avenue.

Forrest street, between Douglas and Fayette streets (Aug. 1, 1891).

Forrest street, between Douglas and Laurel streets.

Fourth street, from Fort avenue to Heath (Plow Plt. 50).

Fulton avenue (South)—B. & O. R. R. crossing.

Gay street, between Exeter street and Jones Falls bridge.

Grove alley, Clifton Place and Truxton and Concord streets.

Hollins street, from Pulaski street to Bontalou street.

Intersection Biddle and Eutaw streets.

Jew alley, between Lexington street and Marion street.

Lanvale street, between Cannon street and Patterson Park avenue.

Lanvale street, between Wolfe street and Washington street.

Ludlow street—Burroughs street, between Claggett street and Fort avenue.

Luzerne street, from Canton avenue to Eastern avenue.

Luzerne street, between Eastern avenue and Hudson street.

Luzerne street, from Hudson street to Boston street.

McCulloh street (A), between North avenue and Eutaw street.

McCulloh street (B), between Eutaw and Biddle streets.

McCulloh street (C), between Biddle and Eutaw streets.

Madison street, between Ann street and Patterson Park avenue.

Morris alley—plat and papers for opening of—August, 1890.

Myrtle avenue (Walbrook), from Slingluff lane to Ninth street.

Miscellaneous, as follows:

From Smallwood street to Fulton avenue; ten-foot alley between Calvert street and Hargrove alley, First to Second streets.

Plat of property between East and Chestnut streets.

Madison avenue, fifteen-foot alley from Gold street to Bloom street, between McCulloh street and streets of Walbrook.

Nanticoke street, from Bayard street to Bush street.

Ninth street and Tenth street—for opening between St. Paul street and Maryland avenue.

Ninth street, between St. Paul street and Maryland avenue.

Northwest street, from Calhoun street west (Plat of).

Northwest street, between Seventh street and Ninth street.

Patterson avenue, between Monroe street and Fulton avenue.

Port alley, between Baltimore street and Fairmount avenue.

Port street, between Townsend (Lafayette) street and Federal street.

Porter street, between Claggett street and Beason street.

Rose street, between Monument and Hampstead streets (Fairmount avenue).

Ridgely street, between Putnam and Ostend streets.

Riggs avenue, between Fremont and Stricker streets (plat of).

St. Paul street, between Fayette and Franklin streets.

Seventh street, at Clifton avenue.

Seventh street, between Morris avenue and Northwest street.

Smallwood street, between Lexington and Baltimore streets (Plat B).

Smallwood street, between Pratt and Fayette streets.

Stockholm street, between Wicomico street and Washington avenue.

Sumwalt lane—plat for closing of.

Sumwalt lane, from York road to Huntington avenue.

Tenth street and Ninth street, between St. Paul and Maryland avenue (for opening).

Townsend (Lafayette), between Broadway and Washington street.

Townsend (Lafayette) street, between Cannon street and Patterson avenue.

Truxton street, Grove alley, Clifton Place and Concord street (near Jail).

Union Dock widening.

Walbrook avenue (Myrtle avenue), between Slingluff lane and Ninth street.

Walbrook, streets of

Ward street, between Cross street and Bush street.

West street, between Paca street and Burgundy alley.

Whitlock lane, between Linden avenue and Division street.

Windsor avenue, between Fourth and Ninth streets.

Windsor avenue, from North avenue to Clifton avenue.

Wolfe street, from North avenue to Harford avenue.

Wolfe street, from North avenue to Harford avenue (Nov. 1891).

The following is a list of all surveys made in the city during the year of 1896, copies of which I have in this office, with their respective field notes, viz:

COMMISSIONERS FOR OPENING STREETS.

Survey for the opening of Clement street, from Luzerne to Hull street.

Survey for the opening of Collington avenue, Biddle to Preston.

Port street, from Lafayette to North avenue.

Chesapeake street, from Fait to Eastern avenue.

Survey for the closing of Whitelock lane, from North avenue to Francis street.

Survey for the opening of Jefferson street, from Milton avenue to Patapsco street.

Survey for the opening of Chesapeake street, from Baltimore street to Philadelphia road.

Resurvey for the opening of Chesapeake street, from Fait avenue to Eastern avenue.

Survey for the closing of Fourth street in the bed of Covington street.

Survey for the opening of Grove street, from Baltimore street to Philadelphia road.

Survey for the opening of Glover street, from Philadelphia road to Monument street.

Survey for the closing of Gilmor lane, from Twenty-seventh street to Twenty-ninth street.

Survey for the opening of Maryland avenue, from Twenty-fifth street to Twenty-ninth street.

CITY COMMISSIONER.

Survey for establishing grade of Sycamore avenue, Hampden.

Survey for establishing grade of alley between Reservoir street and Newington avenue.

Survey for establishing grade of St. Paul street, between Twenty-seventh and Thirty-first streets.

Survey for establishing line of west side of Presbury street, between Bruce and Mount.

Survey for establishing line of north side of Whitelock street, between Madison and Morris alley.

Survey for establishing line of north side of Mulberry street, between Monroe and alley.

PARK COMMISSIONERS

Survey for establishing east line of Druid Hill Park paralleling N. C. R. R.

Survey for establishing south line of Druid Hill Park, from Madison to D. H. avenue.

Survey for establishing Pool & Hunt lot of Woodberry.

COURTHOUSE COMMISSION.

Survey for establishing lines of new Courthouse.

MAYOR AND CITY COUNCIL.

Survey of 216 N. Gay street.

Survey of piece of ground on Jones Falls, north of Cedar avenue bridge, bought by Mount Vernon Manufacturing Company.

Thirty-seven sheets of Topographical Survey received from the Mayor's office.

CITY COLLECTOR.

I have all field notes for all surveys made by order of City Collector, but have not made copies of the original maps, which have been returned to the Collector.

Respectfully submitted.

FRANK H. SLOAN, *City Surveyor.*

ANNUAL REPORT

— OF THE —

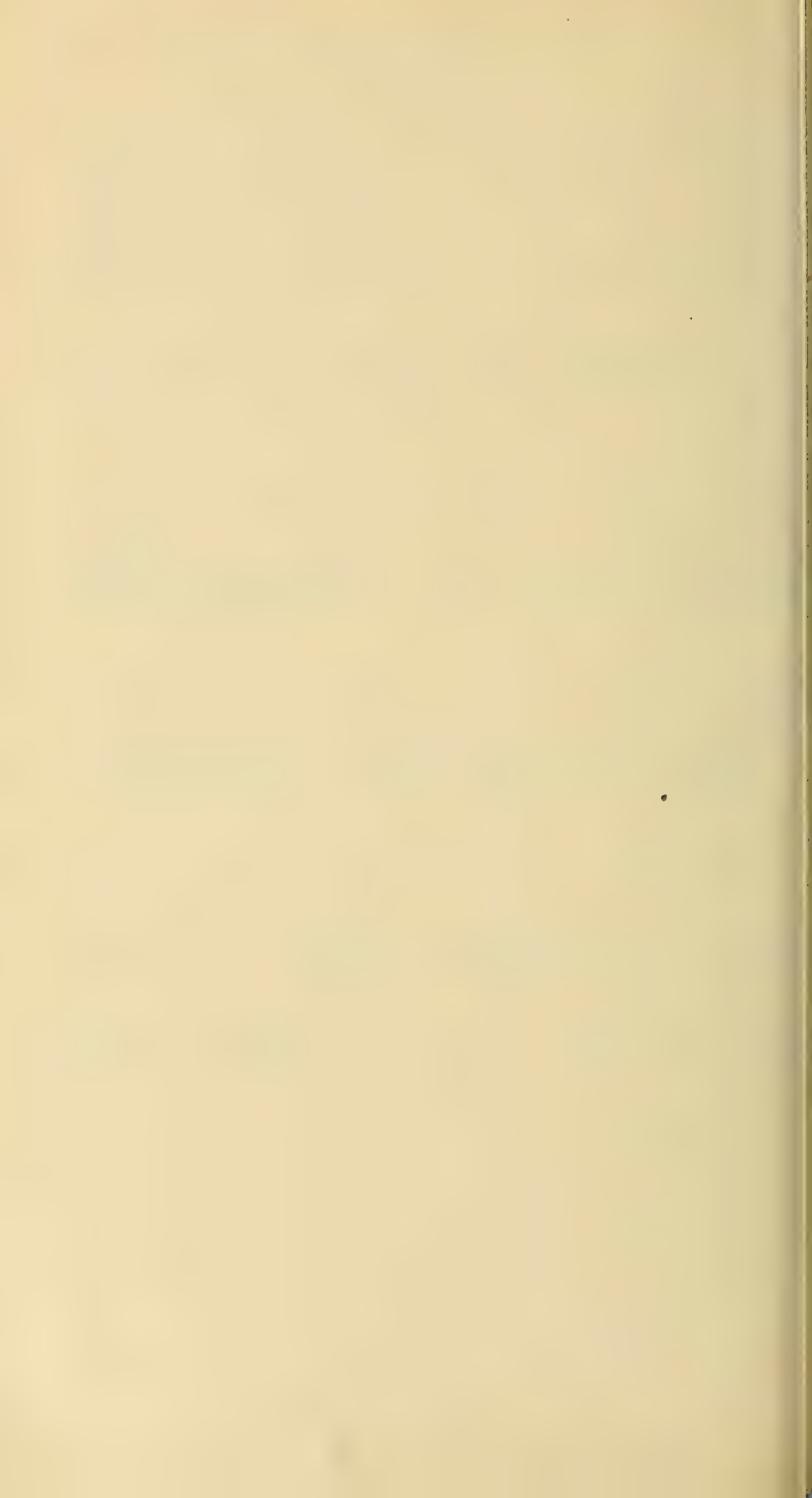
INSPECTOR OF BUILDINGS

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



DEPARTMENT OF BUILDINGS.

Inspector of Buildings:

BENJAMIN B. OWENS, No. 2218 Oak street.

Clerk:

ALEXANDER M. MONTELL, No. 833 North Eutaw street.

First Assistant Inspector of Buildings:

GEORGE R. BULLEN, No. 1210 West Franklin street.

Engineer:

FRANCIS H. WATERS, No. 914 North Charles street.

Inspector of Furnaces:

N. B. SHOREY, No. 305 Robert street.

Inspector of New School Buildings:

M. O. TRAVERS, No. 205 North Fulton avenue.

Special Inspector:

JOHN B. WALTER, No. 642 Clinton avenue.

Inspector of Northwestern District:

WILLIAM BUTZLER, No. 1322 North Bond street.

Inspector of Northeastern District:

JOHN P. TEAL, No. 1831 Jefferson street.

Inspector of Southeastern District:

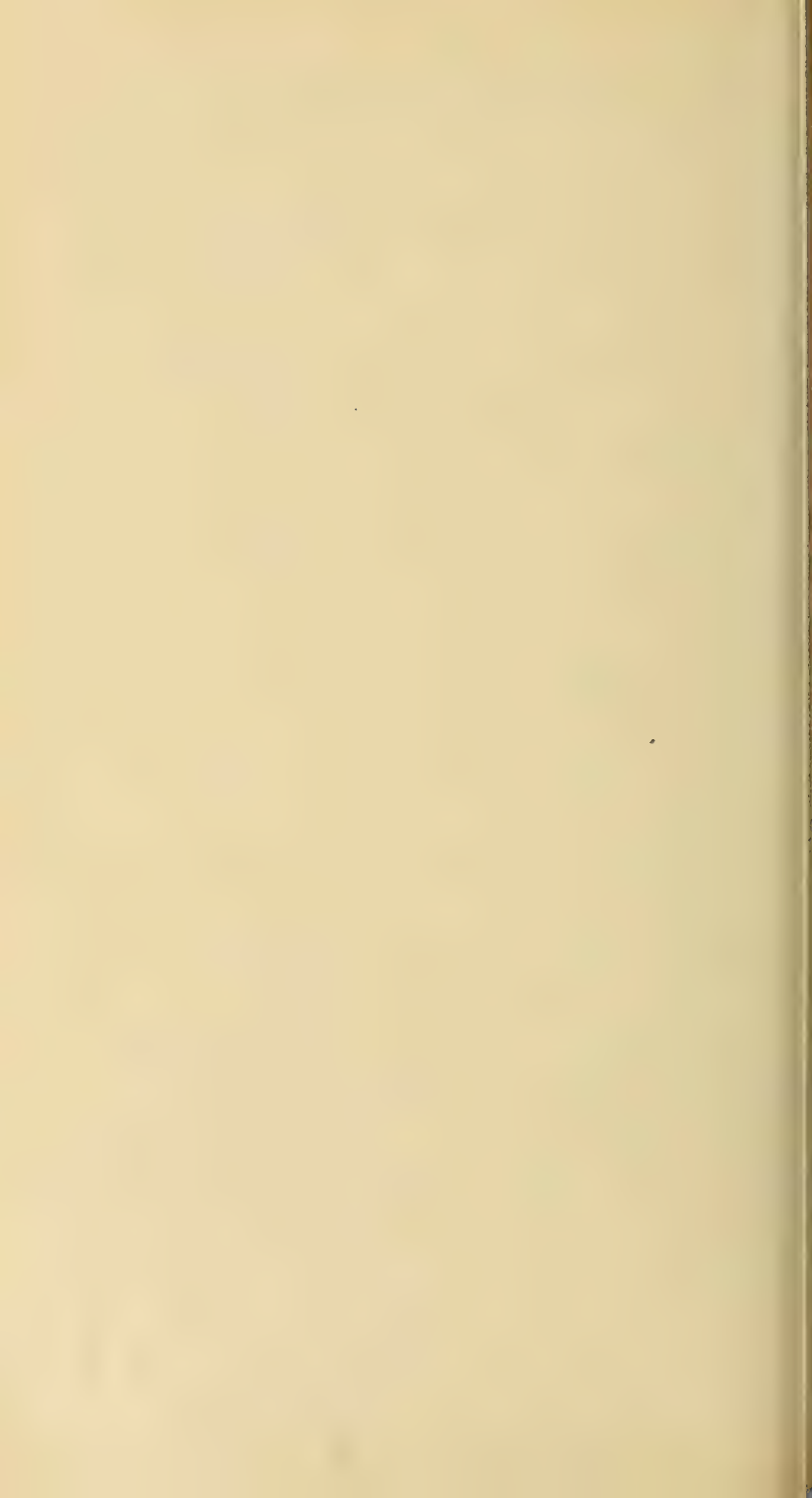
JOHN H. HORNER, No. 1117 Granby street.

Inspector of Southwestern District:

HENRY BAKER, No. 1129 West Lombard street.

Inspector of Annex District:

J. FRANK CROWTHER, No. — Woodberry avenue.



REPORT.

DEPARTMENT OF BUILDINGS—CITY HALL.

BALTIMORE, January 1, 1897.

To the Honorable the Mayor and City Council of Baltimore :

GENTLEMEN: I have the honor to submit herewith the annual report of the operations and general conduct of the Department of Buildings for the year ending December 31, 1896.

I was placed in charge of this department on January 6 last, relieving Mr. J. Theodore Oster, who had been in control for eleven years. The entire force of employes, excepting a clerk and one inspector, had been dismissed prior to my appointment, and not until early in April was legal provision made for the employment of sufficient assistance to perform even the routine duties of the office.

Ordinance No. 53, approved April 10, 1896, authorized the appointment of one chief assistant and eight inspectors, and on that date the following named men were selected and assigned to duty, viz:

CLARENCE M. ROGERS as Assistant Inspector.

GEORGE R. BULLEN, Inspector for Special Work.

GEORGE C. TURNER, Inspector in charge new School Buildings.

FRANCIS H. WATERS, Inspector and Engineer.

WILLIAM BUTZLER, Inspector Northwest District.

JOHN H. HORNER, “ Southeast “

HENRY BAKER, “ Southwest “

J. H. STENGEL, “ Northeast “

J. FRANK CROWTHER, “ Annex “

Ordinance No. 56, approved April 14, 1896, authorized the appointment of a furnace inspector. Mr. John Vogel for a few weeks filled this position, but resigning, Mr. N. B. Shorey was appointed to succeed him on July 1, 1896. Mr. Shorey still fills the position and performs its duties in a very acceptable manner.

The changes in the personnel of the department have been as follows:

Mr. Benjamin F. Woelper, Jr., clerk, having been promoted to a position of possibly greater responsibility, Mr. Alex. M. Montell was appointed clerk in his stead, February 1, 1896.

Mr. C. M. Rogers resigned August 31 and Mr. George R. Bullen was promoted to the position of assistant building inspector, and Mesick O. Travers was appointed to Mr. Bullen's place.

J. H. Stengel, inspector of northeast district, was relieved on October 1, and John P. Teal appointed to succeed him.

George C. Turner resigned November 15, and John B. Walter was appointed to take the place of M. O. Travers, who succeeded Turner.

With the force as named above this department is only fairly well-equipped for its work. Additional special help must be employed at times for service that could be better performed by a regular employe. Another clerk is a necessity, and there should be two additional district inspectors. When one inspector has over three (300) hundred and another over four (400) hundred buildings (including alterations and additions) under way in his district at one time, it is a physical impossibility to thoroughly inspect all. Two of the districts should be subdivided. It is only by constant and persistent oversight that many of the speculative builders can be kept within the limits of the building requirements.

NEW SCHOOL BUILDINGS.

CITY COLLEGE.

North Howard Street, opposite Centre Street.

The erection of this building was authorized by Ordinance No. 56 of 1894, and Ordinance No. 123, 1894.

The appropriations for same were as follows:

Ordinance No. 56, 1894—From Six Million Loan.....	\$117,000 00
“ “ 123, 1894—Levy.....	22,000 00
“ “ 33, 1895 “	15,000 00
“ “ 94, 1896 “	60,000 00
Total	\$214,000 00
Amount expended to date.....	94,327 55
Balance.....	\$119,672 45

Permit me to refer you to the reports made to the Commission from time to time by the Committee of Experts, by Engineer Hook and by myself for information respecting this building.

WESTERN FEMALE HIGH SCHOOL.

McCulloh Street and Lafayette Avenue.

This building was accepted by the city early in January, having been practically completed in 1895.

Ordinance No. 32 of 1893, appropriated.....	\$100,000 00
“ “ 121 of 1894, “	30,000 00
Total.....	\$130,000 00

Payment has been made in full for this building, excepting 5 per cent. reserved for two years (\$5,257.55) from amount of contract with Henry S. Rippell, as a guaranty against defective work.

This building is heated by steam, the work having been done by Messrs. Crook, Horner & Co. The heating and ventilating system was designed by Mr. C. W. Newton, heating engineer with Messrs. Bartlett, Hayward & Co. It is greatly in advance of any method adopted for school buildings erected prior to this one and as efficient as a “gravity system” can be made.

PRIMARY SCHOOL NO. 34.

Columbia Avenue and Carey Street.

This building contains twelve class-rooms, all well lighted. Stairways at each end of building are built of slate and brick. Corridors wide and amply lighted and ventilated. The building was finished in August and occupied by the school in September. Mr. Joseph E. Sperry was the architect, and Mr. Cornelius Sheehan the builder. The building is heated by the Smead hot-air furnaces. The closet system is connected with the city's sewers. The appropriation for the building was \$30,000. (See photograph.)

PRIMARY SCHOOL NO. 4.

Hanover and Lee Streets.

This building was designed by Mr. George Worthington, architect. The builder was Mr. John Hughes, Jr. The work was completed (so far as the amount appropriated would permit, the assembly-rooms on third floor being

unfinished), during September and occupied in October. The contract for heating the building was let first to Flynn & Emrich October 29, 1895, for \$2,000, but upon an investigation of the character of the apparatus proposed to be installed, this department deemed it totally inadequate for the purpose, and the contractors were released from their obligation. Another contract was made with the New York Warming and Ventilating Company, March 12, 1896, for \$3,777, and the heating and ventilating plant was installed by them. Three electric motors and fans are used in connection with this system for forcing into all the rooms an abundant supply of fresh air. The closet system connects with the city sewer on Lee street. An additional appropriation is required to finish the third story, to pay for the cost of heating apparatus and to pave the increased yard room secured by the purchase of the property adjoining the school on Hanover street.

Ordinance No. 12, 1895, appropriated \$35,000 for the erection of this building.

PRIMARY SCHOOL NO. 37.

Patterson Park Avenue and Biddle Street.

The appropriation for this building was \$25,000. The contractor, Mr. Adam R. Shipley, turned it over to the city in August, and it was occupied by the school in September. The Smead system of heating and ventilating and dry-closets was installed here. The architect is Mr. Wm. M. Ellicott, Jr. (See photograph.)

COLORED SCHOOL NO. 9.

Carey and Chappell Streets.

Ordinance No. 17, 1895, provided \$35,000 for the erection of this building. After considerable delay in the preparation of the drawings, the contract for the erection of the building was let to Mr. Adam R. Shipley, July 29, 1896, for \$27,354. The contract for the heating and ventilation was awarded to Mr. H. I. Gregory, December 15, 1896. The building is faced on the street fronts with "sand" brick, laid in dark mortar. The sills, etc., are of Kibbe sand stone. The building is now being roofed, and possibly may be completed for occupancy by May 1st next. Mr. Alfred Mason is the architect.

ANNEX SCHOOL NO. 18.

Corner Linden Avenue and Koenig Street.

Ordinance No. 44 of 1895, and Ordinance No. 94, 1896, appropriated \$45,000 for the erection of this building. The design was made by Mr. Geo. Worthington, architect. The contract for the erection of the building was awarded to Mr. John Hughes, Jr., August 5, 1896, for \$38,531.06. Time specified for completion, August 15, 1897. The work of construction is progressing, the second floor joists having been laid on.

The contracts for heating and ventilating, and for the closets and sewers, have not yet been made.

This building will contain fourteen class-rooms and two assembly-rooms when finished. Stairways will be of slate and brick, fireproof.

ANNEX SCHOOL NO. 3, FEMALE DEPARTMENT.

St. Paul and Twenty-sixth Streets.

Ordinance No. 73 of 1896 appropriated \$40,000 for the erection of this building. The drawings, etc., were furnished by Architect Jos. E. Sperry. The building will have a frontage on Twenty-sixth street of 123 feet, and on St. Paul street of 100 feet. It will contain sixteen class-rooms and one assembly-room. Stairways will be ample and will be fireproof. It is intended to heat this building by steam, but the contract for heating and ventilating has not yet been let, nor has that for the flush closets and sewer connection. The contract for the building was awarded to Messrs. C. Sheehan & Son, September 9, 1896, for \$36,920.

COLORED GRAMMAR SCHOOL NO. 4.

Saratoga and Mount Streets.

Ordinance No. 44 of 1896 appropriated \$25,000 for this building. Mr. Jos. E. Sperry, architect, is now preparing the drawings for this work. The lot binds on Mount street 151 feet 4 inches, and on Saratoga street 112 feet 10 inches.

COLORED SCHOOL NO. 8.

Chester Street and Ashland Avenue.

The appropriation for this building is \$30,000, as provided by Ordinance No. 45 of 1896. Mr. Henry Brauns, archi-

tect, is preparing the drawings. Lot is 90 feet on Ashland avenue by 200 feet on Chester street.

I would suggest the advisability of purchasing the lot between the school lot and the alley on the east, some thirty feet, in order to provide more yard room for the scholars and to assure a certainty of sufficient light on that side, as well as to prevent the erection of objectionable buildings adjacent to the school-house.

GRAMMAR SCHOOL NO. 7.

Eastern Avenue and Patuxent Street.

The lot for this building has just been secured. It has a frontage on Eastern avenue of 145 feet, and a depth on Patuxent street of 300 feet.

Ordinance No. 57 of 1896 appropriated \$30,000 for the building. Messrs. Wyatt & Nolting, architects, have been selected to make the design.

MALE AND FEMALE COLORED SCHOOL.

Ordinance No. 10, approved March 10, 1896, appropriated \$8,000 for the purchase of a lot, and \$20,000 for the erection of a building, to be located in Southwest Baltimore, west of Eutaw street, east of Bayard street and south of Hamburg street. The lot has not been secured as yet.

NEW ENGINE-HOUSES.

ENGINE-HOUSE NO. 20.

West North Avenue—Walbrook.

Ordinance No. 46 of 1896 appropriated \$15,000 for the building of an engine and truck-house on west North avenue, near Tenth street, Walbrook. The lot is 110 feet by 60 feet, and the building has a frontage on North avenue of 48 feet and a depth of 100 feet. The design of the building was furnished by Architect Geo. C. Haskell. The contract was awarded to Messrs. John Stack & Son on July 8, 1896, for \$13,572. The building was completed and formally turned over to the Fire Department on December 22, on which occasion the West Boundary Improvement Association testified their appreciation of the city's favor by a reception tendered the Mayor and other officials. (See photograph.)

ENGINE-HOUSE NO. 21.

Hampden.

Ordinance No. 2, December 12, 1896, directs that a building be erected on the corner of Roland avenue and Oliver Place, and appropriates \$15,000 for the purpose. Drawings are now being prepared by Mr. George C. Haskell, architect.

REPAIRS, ETC., TO SCHOOL BUILDINGS.

The following is a list of the principal items of repairs to the different school buildings during the year:

Eastern Female High School—New floors, roofing, painting and alteration of cloak room.

Polytechnic Institute—New flooring.

No. 1 Male Primary and Grammar—Painting, roofing, iron smoke-stacks, etc.

No. 4 Grammar—New flooring.

No. 7—Painting, flooring, etc.

No. 8—Flooring, etc.

No. 10—Flooring, plumbing, etc.

No. 11—Flooring.

No. 12—Plumbing, paving, flooring.

No. 13—Sundry repairs.

No. 15—Paving, flooring, etc.

No. 16—Flooring, roofing, plumbing, painting, etc.

No. 17—Paving, carpenter's sundries, etc.

No. 18—Additional heating apparatus and sundry carpenter's repairs.

No. 20—Cement pavement in yard, new flooring, plastering, etc.

No. 21—Cementing yard, roofing, painting, etc.

No. 22—Flooring, etc.

English-German School No. 3—New fire-escape, plumbing, etc.

No. 4—Fire-escape, etc.

No. 5—Repairs to iron fence, floors, etc.

No. 6—Windows and doors repaired.

Female Primary and Grammar No. 1—New flooring, plastering, roofing, etc.

Primary No. 2—Sundry carpenter's repairs.

No. 5—Roofing, flooring, etc.

No. 8—Flooring, etc.

No. 11—Roofing, carpentry, etc.

- No. 12—Plumbing, plastering, painting, flooring.
No. 13—Masonry, plumbing, roofing, etc.
No. 14—Plumbing, plastering, roofing, carpentry, brick-laying, etc.
No. 16—Paving, plumbing, etc.
No. 17—Painting, plumbing, carpentry, etc.
No. 19—Plastering, paving, flooring, etc.
No. 20—Flooring, plastering, painting, etc.
No. 21—Fire-escape, flooring, paving, etc.
No. 23—Roofing, painting, paving, flooring, etc.
No. 25—Roofing, paving, painting, etc.
No. 26—Flooring, painting, iron tie-rods for walls, etc.
No. 27—Carpentry, painting, etc.
No. 28—Flooring, blinds, roofing, etc.
No. 29—Iron smoke-stacks, painting, etc.
No. 33—Painting, etc.
No. 38—Fire-escape.
Colored H. and G. School No. 1—Flooring, painting, etc.
No. 3—Fire-escape, painting, etc.
No. 4—Paving, roofing, flooring, etc.
No. 6—Carpentry, paving, painting.
No. 7—Roofing, smoke-stacks, flooring, plastering, etc.
No. 8—Roofing, paving, etc.
No. 9—Paving, etc.
Annex School No. 1—Paving, carpentry, etc.
No. 2—Painting, flooring, etc.
No. 3—Altering class-rooms, etc.
No. 6—Paving, carpentry, etc.
No. 7—Carpentry, etc.
No. 8—Paving, etc.
Branch to No. 8—Grading, paving, plastering, painting, flooring, etc.
No. 9—Carpentry, etc.
No. 10—Roofing, etc.
No. 11—Plastering, painting.
No. 15—Carpentry, etc., iron fence around lot.
No. 16—Carpentry, plumbing, roofing, etc.
No. 19—Plumbing, paving, etc.
Annex Colored School No. 1—Carpentry, etc.

Glazing has been done in all the schools as required. Alterations have been made in a number of the schools to make them secure against fire. Iron railings in front of buildings have in most cases been removed at the request of the School Board.

CONDITION OF SCHOOL BUILDINGS.

Defective work and materials are abundant in the school buildings erected for the city within the past few years. As a proof of this I need only mention No. 18 Grammar School, built in 1892; No. 3 Colored School, Hill street, built in 1892, and No. 6 English-German School, built in 1894. The character of the work done some fifteen or twenty years ago is far above that of the past five or ten years. Some improvement is observable in arrangement of class-rooms, etc., and respecting conveniences that may conduce to the comfort of the occupants, but the materials used and the work done are decidedly inferior.

Too little money has been expended upon these buildings for some years in the way of repairs. As a result, many of them are in a condition which is discreditable to the city and a source of discomfort to the occupants. The wear and tear upon a school building is, in the nature of things, great, but in some instances it is unnecessarily excessive. Janitors and watchmen are not always competent, and there are frequent evidences of carelessness. Needed repairs to a building should be promptly done, delay in such matters is certain to lead to increased expenditure. Large appropriations should be made for the repairs of these buildings. Estimating the value of the buildings, excluding City College and high schools, at \$1,500,000, and calculating that two per cent. would be a fair allowance for requisite repairs, and we have \$30,000, which is about double the amount of the usual appropriation.

In this connection permit me to call attention to Table D of this report, wherein is shown the amounts expended for repairs of public schools since 1878, reproduced from annual report for 1895.

During the eleven years from 1885 to 1895 there were thirty new school buildings erected in the city, and eight additions (see annual report for 1895, pages 21-22). The ratio of increase in amount of appropriations for repairs has not kept pace with the increase in number of buildings, and as a consequence work absolutely necessary for the comfort of the scholars and for the proper care of the buildings cannot be done. As a matter of economy it would pay the city to make an appropriation sufficiently large to put all its buildings in proper condition, and it would afterward require less per year to keep them so. No better evidence of the true

condition of the public buildings is needed than that afforded by an examination of the above-mentioned Table D, taken from last year's report.

In a number of the schools the lighting is very imperfect. This is owing, at times, to tall buildings on adjoining lots; sometimes to improper arrangements of class-rooms or partitions, and in some instances to a lack of windows. At No. 17 Primary, Light street, the gas is kept burning in two or three of the class-rooms even on clear days; here there should be a new building. At No. 26 Primary, Orleans street, the condition is but little better, and at the Colored High and Grammar School, Saratoga street, the first-story rooms on the west side are miserably lighted. Special appropriations should be made in order that these defects may be remedied.

CONCERNING VENTILATION.—But few of the schools have been provided with satisfactory means for ventilation. A system much in vogue some fifteen or twenty years ago provided a wood conduit along the ceiling of the corridors, leading into brick chimneys that are heated by cast-iron smoke-pipes. Vent registers near the ceiling of class-rooms open into the conduit. In later buildings the Smead system was introduced, but the earlier examples of this are very objectionable. The dry closet system is not in itself a very desirable arrangement, but when it is used in connection with the ventilating ducts, it may become a menace to the health of the children. Wherever this combination is to be found, the objectionable features should be removed. No. 2 Grammar School, Broadway and Bank street, is an example of this method, and there are a number of others.

A communication from Dr. Fulton, Secretary of the State Board of Health, bearing upon this subject is herewith submitted:

“OFFICE OF THE STATE BOARD OF HEALTH—10 SOUTH STREET.

“BALTIMORE, December 26, 1896.

“*Mr. Benjamin B. Owens, Inspector of Buildings, City Hall, City:*

“DEAR SIR: The attention of the State Board of Health has been frequently called to sanitary defects in school construction, and regards at least one of these matters as so important that we are moved to address you a letter upon the subject. Some of the public schools of Baltimore are fur-

nished with a combined system of heating, ventilating and sewage-disposal which has unavoidable defects, and, under certain circumstances, has definite dangers.

“It is sought by this system to conduct the warmed air sent by the furnace into the school-room out through another opening into a shaft which passes through the closet-boxes to a ventilating shaft having a strong outward draft caused by a fire at the bottom of the flue. This warmed air evaporates the moisture so thoroughly that after a few hours operation of the apparatus the powdered residue of the excrement is so small that we are told it is not necessary to clean the closet-boxes. If this be true, most of the solid matter must have been carried off in the air current as dust. The ventilating flue is in effect a sewer, distributing human excrement over a wide territory. The better the apparatus works the more it befouls the outer air, and its best results are therefore sufficiently disgusting.

“Under certain conditions results not anticipated, not provided against, and worse than disgusting, are obtained. In winter, even when fires are hot, drafts are not always good. A cold, heavy outer air makes back pressure in the flues and may even start a reverse current. In such case the air of the school-room is simply that of the closet-boxes, more or less diluted. On warm days when the windows are opened a reverse current is very likely to occur, and on windy days the same thing happens in the rooms on the leeward side of the building.

“Instead of carrying out the respired air, the apparatus is well contrived to convey into the noses, mouths and eyes of teachers and pupils a fine fœcal dust. The effects upon human health must be bad even if the boxes contain the dejecta of only healthy persons. It is not likely, however, that the boxes are ever free from diseased dejecta, so that persons breathing the air of the school-rooms may be exposed to certain specific infections. The degree of heat applied is not high enough to destroy the organisms which flourish in such matter. Many disease germs withstand the drying process perfectly well and become active again when supplied with moisture. The germs of tuberculosis, diphtheria, lock-jaw, erysipelas, anthrax and the puss diseases are known to be readily transported as dust, and there is strong evidence that typhoid fever, scarlet fever, measles, whooping-cough and the diarrhœal diseases may be so transmitted.

"One may safely predict that the city bacteriologist can obtain cultures far on the safe (?) side of the closets, which will grow many disgusting and perhaps some alarming things. Indeed, it is likely he would get such a confusing assortment of organisms that he would be unable to say what he had, or, with positiveness, what he had not.

"The defects of the system are perhaps not irremediable, but in a general way it may be said that any plan of sewage-disposal which does not destroy all its forms of vegetable and animal life is essentially vicious.

"The dangers would be materially lessened if the closets were provided with shafts wholly distinct and remote from the ventilating pipes. They should not even occupy the same chimney stack. The best route for the draft from the closets would be through the fire, and it might be so disposed of at no greater expense than would be involved in installing and maintaining a water-closet system.

"Yours very truly,

"JOHN S. FULTON, *Secretary.*"

I would most earnestly urge the importance of liberal special appropriations for correcting this evil and providing a means of ventilation that will accomplish the desired results.

Methods of ventilation deemed efficient fifteen years ago are looked upon with disfavor to-day; the only reasonable course is to employ a competent heating and ventilating engineer to plan the ventilating system for every new building erected. This is being done with all buildings now in course of erection.

SANITARY CONDITION.—The lack of a sewerage system in Baltimore led to the use of cesspools in most of the older buildings. These have become very foul in many instances. Thorough cleansing and disinfecting help matters somewhat. But where these sinks have been dug within a few feet of the school windows, they are productive of much discomfort. No. 21 Grammar School, No. 30 Primary School, No. 26 Primary School, should all have these old sinks filled up and be provided with flush closets connected with the sewers. This will entail a cost of from \$1,000 to \$1,500 in each case. There are several other buildings that require this improvement also.

CONCERNING THE METHODS OF HEATING.—It would seem to me best that this department should have charge of the heating apparatus in the school buildings. The need of proper and competent supervision of boilers, furnaces and heat and smoke-pipes is imperative. The dangerous conditions found in several of the buildings give evidence of a great lack of either care or competency. A number of the furnaces have wooden boxes or conduits for the fresh air supply; the joints have opened, and the dust of the cellar easily finds its way to the class-rooms. All such boxes should be taken out and metal ones substituted.

This department does not provide, nor does it repair, the ordinary furnaces and stoves in the schools. It has made alterations in the buildings in a number of instances where the furnace pipes were a menace to their safety, and has inspected furnaces in all and reported to the proper department their condition, with suggested changes that would tend to eliminate danger from fire. The present situation is apparently one of divided responsibility and should not be permitted to continue.

REPAIRS, ETC., TO ENGINE AND TRUCK-HOUSES.

The following are the principal items of repairs during the year:

Engine-house No. 1—Stalls, plumbing, roofing, etc.

No. 2—Tearing out and rebuilding rear of house, stall floors, cement paving, manure pit, and alley grading and paving, new water supply, brickwork, iron tie-rods, etc.

No. 3—Stalls, etc.

No. 4—Stalls, roofing, plumbing, etc.

No. 5—Stalls, roofing, paving, plumbing, etc.

No. 6—Stalls, clock, etc.

No. 7—Flooring, stalls, paving, plumbing, clock, roofing, etc.

No. 8—Stalls, plumbing, etc.

No. 9—Stalls, paving, removing partition, etc.

No. 10—New soak stall, stall floors, plumbing, etc.

No. 11—Removing defective partition wall, altering stairs, roofing, stall floors, new water supply, plumbing, etc.

No. 12—Rear wall and chimney altered, plumbing and drainage system altered, stall floors, new stall, etc.

No. 13—Stalls, painting, paving, plumbing, etc.

No. 14—Plumbing, painting, paving, lumber, etc.

No. 15—Stalls, roofing, etc.

No. 17—Stalls, plumbing, etc.

No. 18—Stalls, spouting, etc.

No. 19—Stalls, cement paving, flag-pole, etc.

No. 1 Truck—Stall floors, painting, paving, etc.

No. 2—Stalls, plumbing, etc.

No. 4—Stalls, plumbing, roofing, cement paving, etc.

No. 5—Stalls, roofing, etc.

No. 6—Stalls.

No. 10—Stalls, lumber, etc.

No. 1 Chemical Engine—Stall floors, roofing, etc.

No. 2—Stalls, plumbing, roofing, etc.

No. 4—Stalls, papering, etc.

No. 5—Stalls, brickwork, etc.

No. 6—Stalls, etc.

No. 7—Stalls, etc.

An additional water supply has been placed in a number of the engine-houses, and heating coils, bath boilers, etc., so that the firemen may have the comfort of a warm bath.

CONDITION.

The condition of the engine and truck-houses is, if possible, worse than the school buildings. They have not been kept in proper repair, and several of them will require special appropriations for their needs if the general amount allowed for repairs to city property is not sufficiently ample to cover all demands. It is due the firemen that these buildings be made more comfortable; some of the older ones are barely habitable.

MARKET-HOUSES.

Such repairs as have been absolutely required have been made, and only such. Most, if not all, of these buildings should have a thorough overhauling. They need roofing, plastering, painting, paving, etc. Complaints are frequent from renters of stalls that their wares are being damaged by rain coming through leaking roofs.

The market-masters should be required to take better care of their buildings, and not permit stones and rubbish to lie upon the roofs and damage the tin.

CITY HALL.

There should be a large appropriation in 1897 for repairing this building. Much of the dome and roof has been

put in better condition; also the heating apparatus and the elevator. Quarters on the third floor (roof story) have been fitted up for the Fire-alarm Telegraph Offices.

I would urgently recommend that the antiquated elevator be removed and a more modern and safer one be put in with the least possible delay.

Also, that the entire heating apparatus, boilers, heating coils, etc., be renewed.

COURT-HOUSES.

The most urgent need in the Temporary Court-house is that the crude, inefficient and positively dangerous furnaces be removed and suitable means provided for warming this building in such a manner that the health of the occupants shall not be jeopardized nor the safety of the building endangered. Protests, frequent and earnest, are received from every court-room that the gas from the furnaces unfits the officers for the performance of duty. The iron doors to the lock-up under Criminal Court were insecure and had to be removed and new ones provided. A system of vent ducts, with electric exhaust fan, was put into this building early in the year, and the ventilation of the rooms thereby much improved.

The space between this building and the old United States Court-house is badly in need of a pavement, but owing to lack of funds this work could not be done.

OLD UNITED STATES COURT-HOUSE.—The rooms occupied by the Orphans' Court and Register of Wills have had vent pipes put in, and the heating apparatus in cellar has been repaired. The large office on second floor, used as the Record Office, should have some means provided for ventilating it. Plans have been prepared for ventilating this room, but the work has had to be deferred until the money shall be provided.

CITY JAIL.

This building has received but little from this department in the way of repairs, as the warden has had much of the required work done by the inmates. The old iron tanks used as bath-tubs were removed and needle-baths erected in their stead, much to the comfort of the prisoners.

An additional building for the boys is required, so that they may be kept from the older and more hardened criminals.

FIFTH REGIMENT ARMORY.

Ordinance No. 54 of 1896 appropriated \$2,500 for the repair, etc., of this armory. A new maple floor has been laid in the main hall, the walls of a number of the rooms have been painted, etc., and various alterations and improvements made as requested by Col. Frank Markoe.

HARBOR-MASTER'S OFFICE.

This building is not tenantable, and is not worth the cost of repairing. A new building should be provided for this office.

THE BUILDING LAW.

The building ordinance should be revised. It is full of inconsistencies, and its application proves often to be a source of irritation and annoyance. I am glad to report, however, that I find far less disposition on the part of builders to-day to avoid or shirk its provisions than was the case in the early months of the year. I would suggest the appointment of a Commission, to consist of say two members of the Builders' Exchange, two architects and one engineer, who in connection with this department shall carefully consider this ordinance and suggest such additions and amendments as their judgment shall dictate, and their work be revised by the city's legal advisers before it is presented to your honorable bodies for action.

BOW-WINDOWS.

Section 113 of Article 7 of the Code of 1893 provides for the erection of bow (or show) windows. No charge is made for the permit. I would suggest that a fee of ten dollars be charged in each case; there can be no hardship in this, as the right to a projection beyond the building line should always be paid for.

PLANS AND SPECIFICATIONS.

In a number of cities the Building Department is empowered to refuse a permit unless plans and specifications are first submitted for inspection as to strength of construction, whether building has sufficient means of egress, etc. If drawings are passed upon before the permit is issued and

the work of erection begun, annoyance would often be saved the department, and the builder would avoid the interruption of his work. A copy of plans and specifications of every building of any importance should be deposited in this office.

INSPECTION OF FURNACES.

After the disastrous Armiger fire on North Charles street early in the year, the position of furnace inspector was created by Ordinance No. 56. The position was filled at once, and the inspector began a system of investigation and inspection that I am confident will result in saving much property from fire and possibly prevent the recurrence of an Armiger horror.

The furnaces and heating apparatus in all the public schools and the buildings rented for school purposes have been inspected and reports made of their condition, and remedies for defects suggested. Where it was in the power of this department to correct the defects, it was done, and where not in our power the report was sent to the Secretary of the School Board.

A number of old furnaces in dwellings have been inspected at the request of the occupants. (See Table G).

BUILDING LINE.

Difficulty is frequently experienced in ascertaining the width of streets and correct location of building line. This is particularly so in the Twenty-first and Twenty-second Wards. The city appears to have little information respecting some of the Annex streets.

ELECTRICAL INSPECTION.

I would recommend the advisability of the passage of an ordinance to regulate and control the erection, construction and inspection of wires and appliances used for electrical purposes, both without and within buildings, and the appointment of an inspector for the purpose. This has been deemed necessary for the safety and convenience of the people of cities smaller than Baltimore.

ELEVATOR INSPECTION.

The occurrence of accidents to elevators, and at times the accompanying loss of life, demands that some action should

be taken by the city authorities to prevent such happenings if possible. I would therefore suggest the passage of an ordinance to regulate the construction and operation of elevators, and to provide for the appointment of a competent man as an inspector of elevators.

RE-NUMBERING HOUSES.

Section 95, Article 7, Code of 1893, places upon the Inspector of Buildings the duty of correcting errors and irregularities in the numbering of houses, but it is practically inoperative, as no penalty is prescribed for failure or refusal to abide by the inspector's decision. This should be remedied by a supplementary ordinance. Some appropriation should be made to cover the cost attached to the work of renumbering and reporting same to the Water and Tax Departments.

BOARD OF APPEAL.

Something should be done to relieve a condition which embarrasses this department not a little. For instance: a builder violates a provision of the building law; he is warranted; appears before the magistrate; the case is decided against him; he appeals and the case goes to the grand jury and thence to the court. But the day of trial is slow to come. Meanwhile the builder finishes his work and possibly sells his houses, and the law not yet satisfied. A Board of Appeal, such as the one in Boston, would remedy the difficulty. In Boston's four years' experience about one hundred and fifty cases were brought before it, and of these but one appealed from the board to the courts. Cases taken into the courts always involve much time and considerable cost. Such a board might be composed of say one builder, one lawyer and one architect.

LICENSING ARCHITECTS AND BUILDERS.

A suggestion to license either architects or builders, or both, may be a little premature for Baltimore, but if it could be judiciously done, building methods would be greatly improved. That irresponsible, unskilled and ignorant men should be permitted to conduct building operations that may jeopardize the welfare of any portion of the community is, in my opinion, a grave mistake.

TALL BUILDINGS.

Now is the time for Baltimore to profit by the experience of her sister cities. As yet the "tall building" in its most objectionable form has not confronted us, but the warning has been sounded of the dangers and disadvantages accompanying the erection of these structures. Some limit to their height should be fixed by law before it is too late.

TABLES.

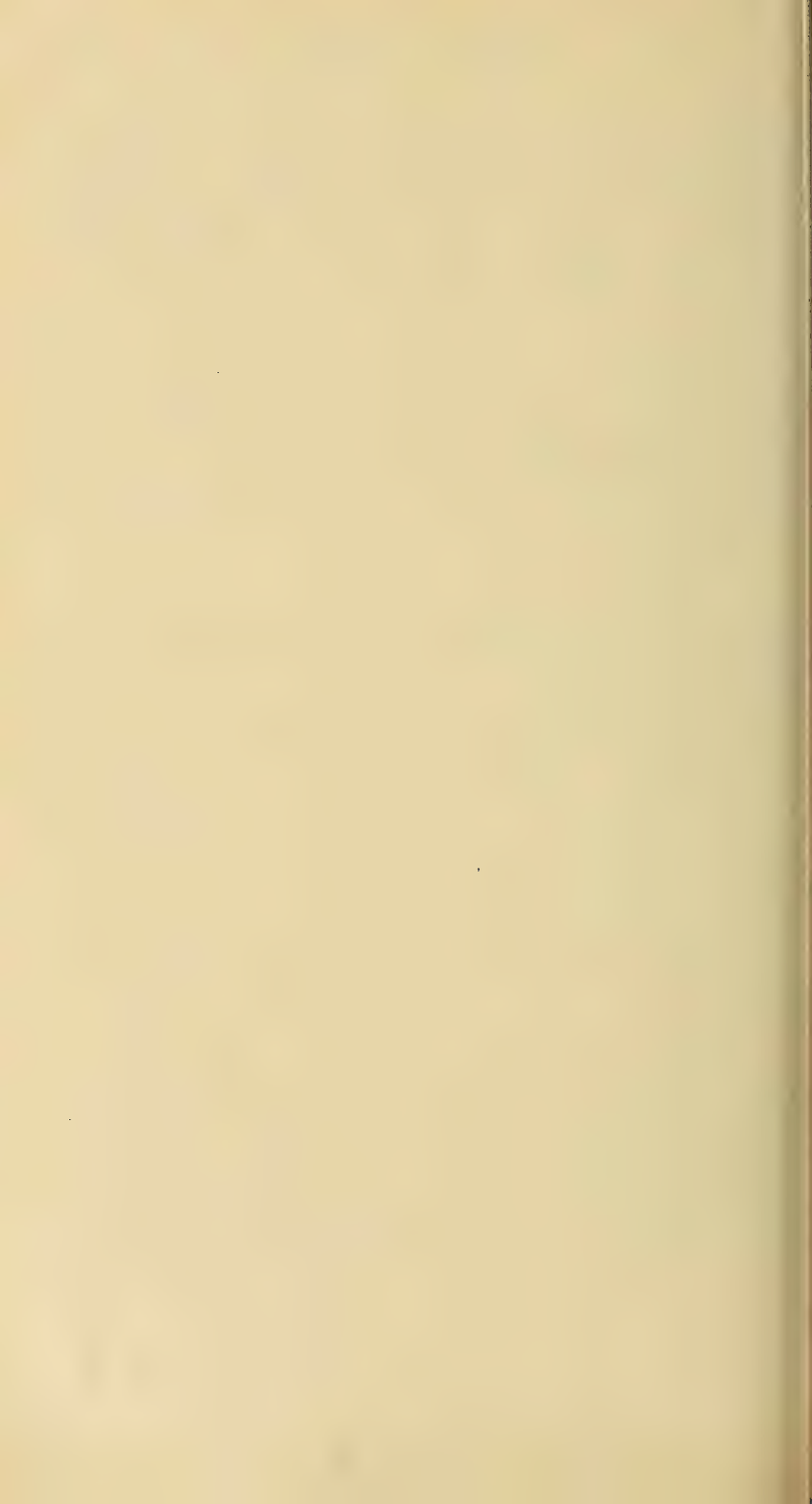
The annexed tabular statement will show:

- A.—The amount of appropriations and disbursements during the year 1896.
- B.—The receipts of the department for the year 1896.
- C.—The estimate of amounts required for the department for the year 1897.
- D.—Showing expenditures for repairs during eighteen years.
- E.—A list of public buildings erected since 1885.
- F.—A list of appropriations to this department since 1887.
- G.—A list of permits for furnaces, etc.
- H.—A list of permits for new buildings.
- J.—A list of condemnations and violations.

Respectfully submitted.

BENJAMIN B. OWENS,

Inspector of Buildings.



TABLES.

TABLE A.

Showing the Appropriations and Disbursements for the Year 1896.

ACCOUNT.	APPROPRIATIONS.	EXPENDITURES.	BALANCE.
Repairs of public schools.....	\$15,000 00	\$14,999 93	\$ 07
Repairs of city property.....	13,000 00	13,000 00	.....
Sanitary and other improvements.	3,000 00	2,997 97	2 03
Emptying cess-pools.....	800 00	784 75	15 25
Incidentals.....	200 00	199 99	01
Salaries.....	13,703 33	12,138 14	1,565 19
Rental of auxiliary fire-alarm boxes.....	4,000 00	.....	4,000 00
Building Western Female High School.....	18,125 00	14,665 68	3,459 32
Building Baltimore City College, balance 1895.....	44,526 19	22,023 74	22,502 45
Building Baltimore City College..	60,000 00	.....	60,000 00
Building Male and Female Primary School No. 4.....	34,695 74	34,671 13	24 61
Building Colored School No. 9....	34,985 00	9,750 03	25,234 97
Building Primary School No. 34..	17,140 25	17,103 86	36 39
Building temporary Court-house..	1,593 82	1,584 03	9 79
Building Annex School No. 18...	45,000 00	10,946 95	34,053 05
Building Primary School No. 37..	23,946 82	23,946 82	.....
Building Colored Primary School No. 10.....	3,323 42	3,170 96	152 46
Building Male and Female Colored School.....	20,000 00	.....	20,000 00
Building Male and Female Colored School No. 4.....	25,000 00	67 35	24,932 65
Building Colored School No. 8....	30,000 00	20 30	29,979 70
Building Engine-house No. 20....	15,000 00	13,591 96	1,408 04
Building Grammar School No. 7..	30,000 00	11 00	29,989 00
Building Annex School No. 3....	40,000 00	8,168 90	31,831 10
Repairs at Fifth Regiment Armory.	2,500 00	2,487 00	13 00
Repairs city property, Annex....	4,000 00	3,999 10	90
Salaries, Annex.....	860 00	760 00	100 00
	\$500,399 57	\$211,089 59	\$289,309 98

TABLE B.

Showing the Receipts of this Office for the Year 1896.

Advertising.....	\$ 620 00
Bay-windows.....	2,523 55
Frame sheds.....	2,928 75
Frame extensions in the rear.....	1,667 75
Bath-rooms.....	1,230 00
Vaults and areas.....	984 43
Tapping sewers....	105 00
Awnings.....	400 00
Old material, etc.....	53 75
	<hr/>
	\$10,513 23

KEY TO TABLE B.

Showing the Receipts of this Office by Months, from January 1, 1896, to December 31, 1896.

	BAY-WINDOWS.	FRAME SHEDS.	BATH-ROOMS.	FRAME EXTENSIONS IN THE REAR.	VACUITS AND AREAS.	TAPPING SEWERS.	ADVERTISING.	AWNINGS.	OLD MATERIAL.	TOTAL.
January.....	.....	\$ 63 00	\$ 14 00	\$118 00	\$ 34 58	.....	\$50 00	\$ 4 00	.....	\$ 283 58
February.....	\$256 00	159 75	48 00	36 00	25 80	.....	45 00	.....	.....	570 55
March.....	70 00	62 50	52 00	22 00	60 90	.....	40 00	44 00	.....	351 40
April.....	290 00	434 75	128 00	60 00	55 70	.....	50 00	92 00	.....	1,110 45
May.....	486 45	339 50	168 00	202 00	162 60	\$35 00	30 00	100 00	.....	1,523 55
June.....	240 00	269 50	92 00	97 75	131 85	70 00	55 00	64 00	.....	1,020 10
July.....	253 10	204 50	154 00	72 00	50 70	.....	70 00	36 00	.....	840 30
August.....	.....	217 50	78 00	167 50	69 60	.....	.....	16 00	.....	548 60
September.....	.....	242 50	220 00	232 50	68 10	.....	55 00	12 00	.....	830 10
October.....	733 50	521 00	92 00	164 00	181 20	.....	90 00	12 00	.....	1,793 70
November.....	42 50	247 75	94 00	352 00	85 50	.....	50 00	12 00	.....	883 75
December.....	152 00	166 50	90 00	144 00	57 90	.....	85 00	8 00	\$53 75	757 15
	\$2,523 55	\$2,928 75	\$1,230 00	\$1,667 75	\$984 43	\$105 00	\$620 00	\$400 00	\$53 75	\$10,513 23

TABLE C.

Showing the Amount Required for this Department for the Year 1897.

Repairs of public schools.....	\$25,000 00
“ “ city property.....	20,000 00
Sanitary and other improvements.....	10,000 00
Emptying cess-pools.....	1,500 00
Incidentals.....	500 00
Livery.....	500 00
Salaries.....	15,200 00
Building Western Female High School.....	5,257 45
“ Baltimore City College.....	60,000 00
“ No. 4 Primary School.....	5,000 00
“ No. 9 Colored School.....	25,234 97
“ No. 18 Annex School.....	34,053 05
“ Male and Female Colored School.....	20,000 00
“ “ “ “ “ No. 4.....	24,971 80
“ No. 8 Colored School.....	29,979 70
“ No. 20 Engine-house.....	1,408 04
“ No. 7 Grammar School.....	29,989 00
“ No. 3 Annex School.....	31,831 10
“ Engine-house in Hampden, No. 21.....	15,000 00
Repairs city property, Annex.....	5,000 00
Salaries, Annex.....	1,200 00
Livery “.....	200 00
	<hr/>
	\$361,825 11

TABLE D.

Showing the Expenditures for Repairs, etc., to School-houses, Engine-houses and Cleaning Cess-pools for the Last Eighteen Years.

	<i>Repairs of School-houses.</i>	<i>Repairs of Engine-houses.</i>	<i>Emptying Cess-pools.</i>	
1878	\$27,848 57	\$ 9,999 80	\$2,400 00	
1879	16,928 26	6,596 39	2,947 45	
1880	24,997 15	10,893 36	2,227 50	
1881	22,650 09	6,608 43	3,757 25	
1882	8,812 06	10,056 99	1,467 50	
1883	9,997 93	5,464 41	4,497 50	
1884	8,987 25	5,082 08	1,462 50	
	<hr/>	<hr/>	<hr/>	
	\$120,221 31	\$54,701 46	\$15,759 70	
Total for seven years.....				\$190,682 47
1885	\$ 9,984 07	\$5,852 92	\$1,470 87	
1886	9,953 88	5,965 67	1,490 25	
1887	9,994 38	6,665 04	1,494 00	
1888	9,989 05	6,701 21	1,215 00	
1889	8,991 96	6,386 46	1,194 00	
1890	9,000 00	6,739 00	1,058 38	
1891	9,000 00	7,523 58	1,111 87	
1892	13,000 00	8,600 00	779 75	
1893	15,000 00	9,981 29	648 60	
1894	14,921 25	7,208 12	689 00	
1895	12,448 29	6,000 00	559 75	
	<hr/>	<hr/>	<hr/>	
	\$120,282 88	\$77,623 30	\$11,711 47	
Total for eleven years.....				\$209,617 65

The average cost of the above repairs per year, from 1878 to 1884, inclusive, was \$27,240.35; the average cost of the above repairs per year, from 1885 to 1895, inclusive, was \$19,056.15; showing an average saving per year for the last eleven years of \$8,184.20, notwithstanding the number of buildings have been greatly augmented, as well as the old ones naturally requiring more repairs with increasing years.

(This table is reproduced from the Annual Report for 1895).

TABLE E.

A List of School-houses, Engine and Truck-houses, Market-houses, etc.,
Erected During the Last Twelve Years.

- 1885—No. 23 Primary School, Gough and Wolfe streets.
No. 11 Primary School, Gilmor and Mosher streets.
No. 29 Primary School, Sharp street, near West.
No. 15 Grammar School, Carrollton avenue and Lexington street.
- 1886—Addition to No. 20 School, Eden and Preston streets.
- 1887—No. 8 Primary School, South Caroline street.
Addition to No. 21 School, Gilmor and Presstman streets.
No. 1 Colored High and Grammar School, Saratoga street, near Charles.
- 1888—No. 2 Grammar School, Broadway and Bank street.
No. 9 Colored School, Carrollton and Riggs avenues.
- 1889—Addition to No. 11 Primary School, Gilmor and Mosher streets.
Manual Training School, Courtland street.
No. 13 Primary School, Patterson Park avenue and McElderry street.
No. 8 Grammar School, Hollins and Monroe streets.
No. 24 Primary School, Lancaster and Patuxent streets.
No. 5 English-German School, Lexington street, near Fremont avenue.
No. 20 Grammar School, Federal and Eden streets.
No. 4 Annex School, Chestnut avenue, near Fourth street.
No. 3 Annex School, Huntingdon avenue, near Charles street.
- 1890—No. 32 Primary School, Guilford avenue and Lanvale street.
No. 31 Primary School, Schroeder and Pierce streets.
No. 33 Primary School, Light and Clement streets.
No. 13 Annex School, North avenue and Washington street.
No. 25 Primary School, Bond street, near Eastern avenue.
- 1891—No. 19 Grammar and Primary School, Park avenue and Hoffman street.
No. 11 Annex School, Millington avenue.
No. 10 Annex School, Old Frederick road (Carroll).
Addition to No. 15 Grammar School, Carrollton avenue.
Addition to No. 7 Grammar School, Eastern avenue.
Addition to No. 17 Grammar School, Washington street.
Addition to No. 4 English-German School, Chase and McDonogh streets.
Addition to No. 2 Annex School, York road.
Additional story to No. 16 Grammar School, Hull and Clement streets.
- 1892—No. 1 English-German School, Pennsylvania avenue and Dolphin street.
No. 18 Grammar School, Harlem avenue and Monroe street.
No. 3 Colored School, Hill street.
No. 8 Annex School, Francis and Clifton streets.
Addition to No. 20 Grammar School, Eden and Federal streets.
- 1893—No. 15 Annex School, Walbrook.
Addition to No. 9 Annex School, Calverton.

TABLE E—Concluded.

- 1894—Western Female High School, Lafayette avenue and McCulloh street.
 No. 6 English-German School, Ramsay and Smallwood streets.
 No. 35 Primary School, Hanover and Winder streets.
 No. 10 Colored School, Girard avenue and Sherman Place.
 Addition to Colored Manual Training School, Fremont street.
- 1895—City College, North Howard street.
 No. 4 Primary School, Hanover and Lee streets.
 No. 34 Primary School, Columbia avenue and Carey street.
 No. 37 Primary School, Patterson Park avenue and Biddle street.
 No. 9 Colored School, Carey and Chappell streets.
 No. 18 Annex School, Linden avenue and Konig street.
- 1896—No 3 Annex School (Female), Twenty-sixth and St. Paul streets.
- 1885—No. 6 Engine-house, Annex.
- 1886—Addition to No. 5 Engine and No. 3 Truck-house.
 No. 5 Truck-house, Aisquith street.
- 1887—No. 6 Truck-house, Hanover and Ostend streets.
 No. 14 Engine-house, Hollins and Monroe streets.
- 1890—No. 15 Engine-house, Lombard street.
- 1891—No. 16 Engine-house, Commercial Wharf.
- 1892—No. 18 Engine-house, Annex.
- 1893—No. 17 Engine-house, Fort avenue and Haubert street.
- 1894—No. 19 Engine-house, North avenue and Bond street.
 No. 10 Truck-house, Lafayette avenue.
- 1896—No. 20 Engine-house, North avenue, Walbrook.
- 1885—Canton Market, O' Donnell street.
- 1886—Fell's Point Market.
- 1887—Market shed at the Northeastern Market.
 Market-master's office, Hanover Market.
 Market-master's office, Hollins Market.
- 1893—Extension shed at the Richmond Market.
- 1894—Addition to Lafayette Market.
- 1885—Annex to the City Jail.
- 1887—Laundry building at the City Jail.
- 1888—Addition to Howard Zouaves' Armory.
- 1886—Observatory and pavilion at Federal Hill Park.
- 1893—Disinfecting plant at the Quarantine Hospital.
- 1890—City Morgue, Lancaster and President streets.
- 1893—Addition to the City Morgue.
- 1891—Lumber shed for the Harbor-master.
- 1895—Temporary Court-house.
- 1893—Extension to the Fifth Regiment Armory.

TABLE F.
Comparative Statement of Certain Appropriations to the Inspector of Buildings' Department
from 1887 to 1896, inclusive.

Account.	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.	1896.
Repairs of schools.....	\$10,000	\$10,000	\$ 9,000	\$ 9,000	\$ 9,000	\$13,000	\$15,000	\$21,500	\$17,000	\$15,000 00
Sundry improvements to schools	3,000	8,525	5,000	6,000	6,000	8,650	11,600	.....	950	.....
Repairs of city property.....	18,500	22,000	18,000	18,000	20,000	20,000	21,000	21,000	13,500	13,000 00
Repairs of city property, Annex	.....	.....	2,940	3,000	3,000	5,000	6,000	6,000	4,500	4,000 00
Emptying cess-pools.....	1,500	1,500	1,200	1,200	1,200	1,200	1,000	1,000	700	800 00
Incidentals and livery.....	700	700	700	700	700	700	800	700	800	200 00
Salaries.....	5,500	5,500	5,500	6,000	6,500	8,500	9,520	11,300	11,700	13,703 33
Sanitary and other improve- ments.....	.....	3,000	3,000	3,000	3,000	8,000	4,000	4,000	3,000	3,000 00
	\$39,200	\$51,225	\$45,340	\$46,900	\$49,400	\$65,050	\$68,920	\$65,500	\$52,150	\$49,703 33

TABLE G.

Permits issued and furnaces examined from April 17, 1896, to December 23, 1896.....	479
Furnaces erected and found to conform to law.....	332
“ condemned and defects ordered remedied.....	126
“ yet to be passed upon.....	21
	479
Old furnaces and heating apparatus inspected.....	49

All the furnaces and heating apparatus in the public schools and their branches have been inspected and their condition reported to the Board of School Commissioners.

TABLE H.

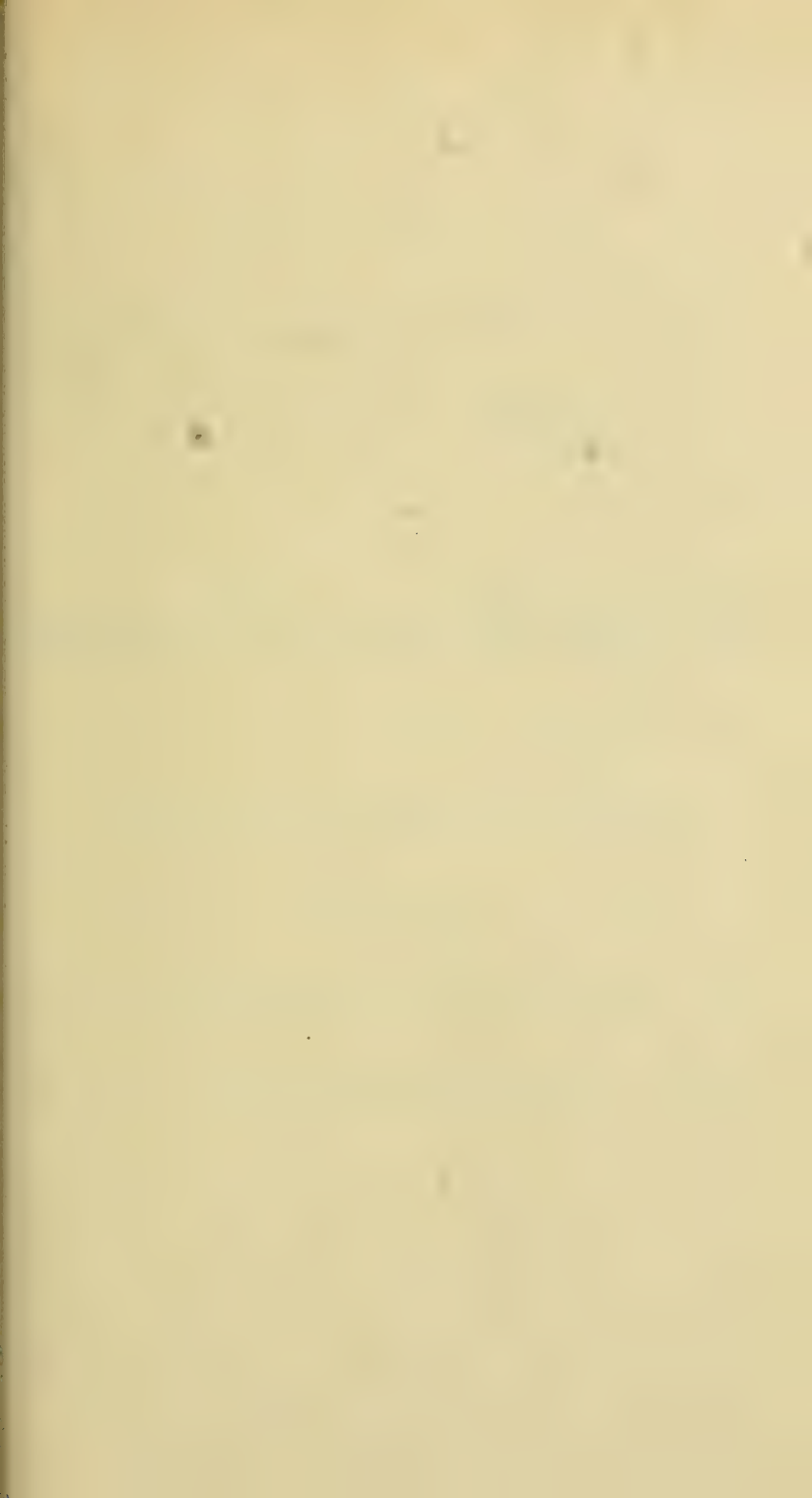
Showing the Number of Permits Issued in 1896 for New Buildings, etc.

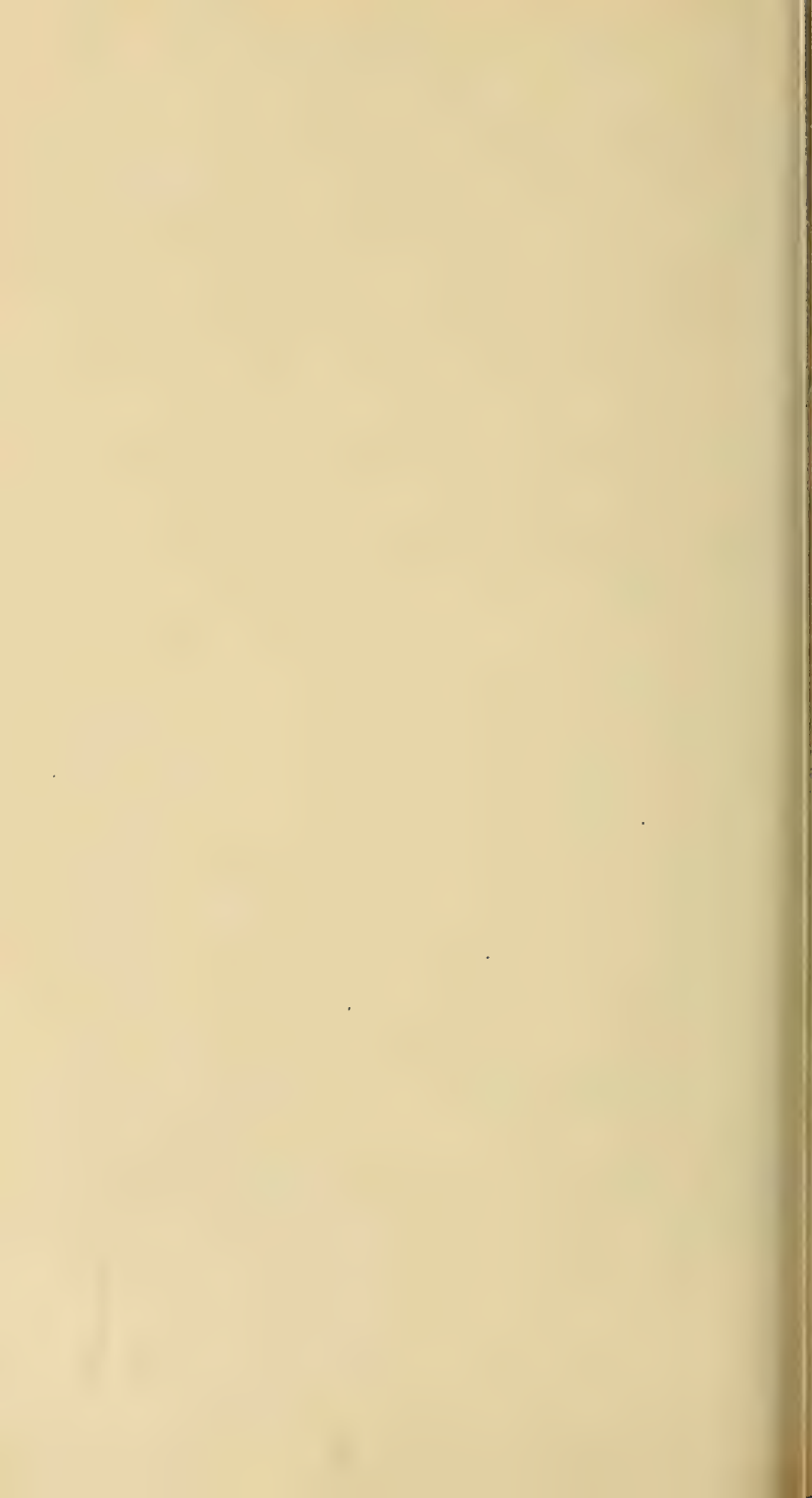
	BRICK DWELLINGS.	FRAME DWELLINGS.	BRICK ADDITIONS.	WAREHOUSES, STABLES, STORES, ETC.	IMPROVE- MENTS.	CHURCHES.
January.....	106	5	15	2	24	1
February.....	160	12	24	13	21	1
March.....	217	10	32	15	20	1
April.....	252	15	41	32	11	.....
May.....	319	30	37	18	14	4
June.....	238	15	42	16	15	.....
July.....	85	5	21	13	5	.....
August.....	90	14	19	12	7	1
September.....	162	9	43	22	6	.....
October.....	73	12	18	16	7	.....
November.....	202	20	23	19	5	.....
December.....	120	21	17	7	8	.....
Total.....	2,024	168	333	185	143	8

TABLE J.

Showing the Number of Condemnations, Violations, etc.

Walls condemned.....	255
Chimneys condemned.....	75
Violations of the building law.....	210
Notices to repair rainspouts, area-ways, fences, etc.	145





ANNUAL REPORT

— OF THE —

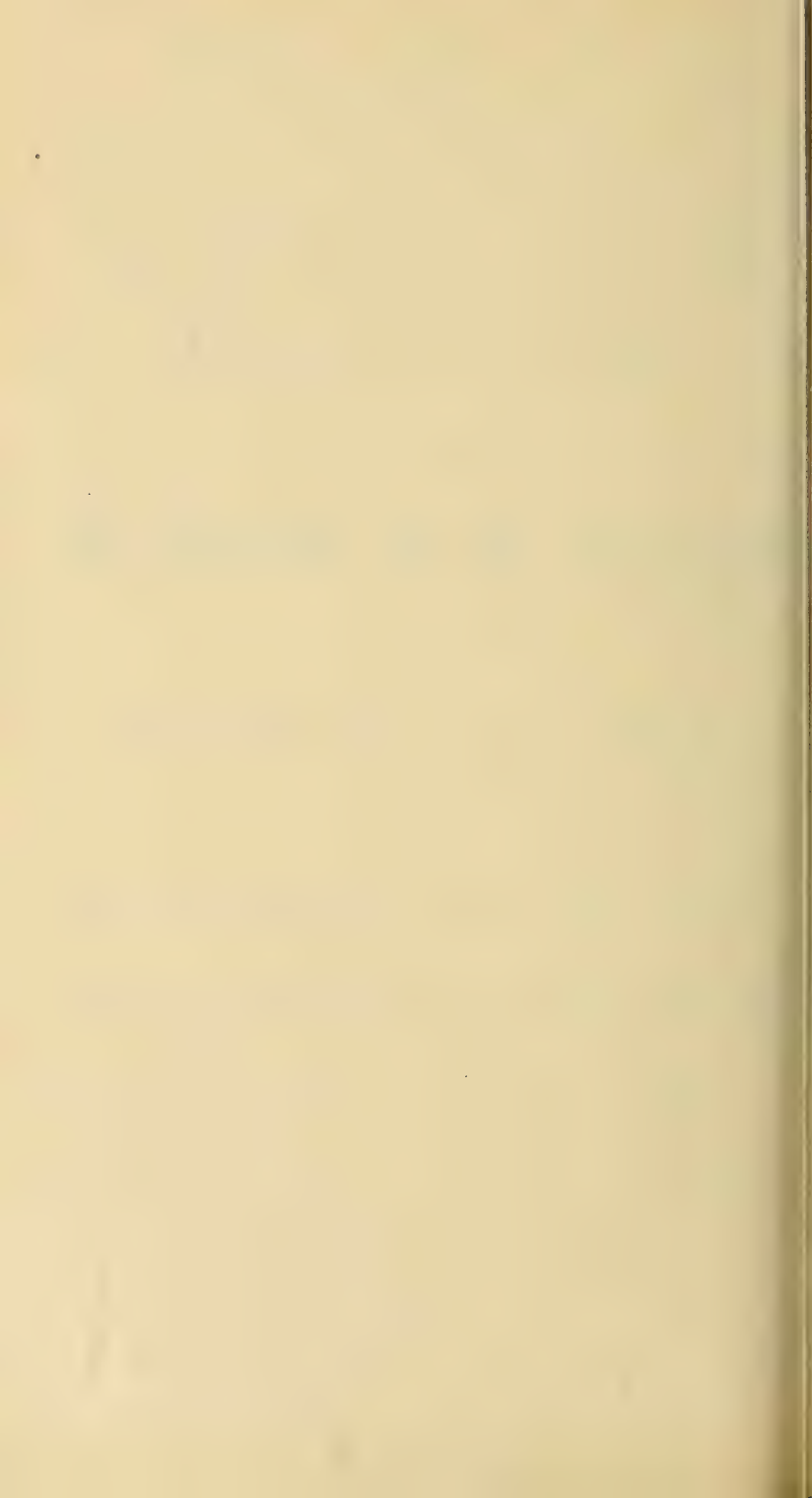
Inspector of Gas and Illuminating Oils

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



REPORT.

OFFICE OF THE INSPECTOR OF GAS AND ILLUMINATING OILS—
CITY HALL,

BALTIMORE, December 1st, 1896.

To the Honorable Mayor and City Council:

GENTLEMEN: As a review of the work of this office for the year ending November 30th, I have the pleasure to state that only thirty accidents of all descriptions have occurred. Excepting one, they were of minor importance and were caused by either negligence in the proper care of the lamps, in having too small wicks, defective burners, or by carelessly upsetting lamps by children or animals. Happily there was no loss of life and but slight damage to personal property. I regret that one exception was the loss of life to two aged females. In ascending a stairs the foremost one fell, breaking the lamp, a glass one, the flame ignited the oil, and either from terror or senility they were unable to retreat; they were fearfully burned and died shortly after the accident. Had the neighbors promptly gained access to the house they possibly might have been rescued. The coal oil in use was above the legal standard in this and all other cases.

I am pleased to state that the quality of oils sold to consumers has increased, as required by ordinances. Ninety-nine and fourteen hundredths is the average above the legal standard. Only one case of prosecution occurred, when oil was sold of quality under legal requirements; the offender was convicted and paid the penalty.

I have frequently seen notices of coal oil accidents in the various daily press, but upon investigation found they were from oil stoves; nevertheless, have examined the oil in use and found they filled all legal requirements.

In addition, I have investigated the legal rights of those bartering in coal oil in quantities less than a barrel that they have the proper retail license. The city is patrolled weekly to collect samples from retail dealers, as set forth in my weekly report to His Honor the Mayor.

ILLUMINATING GAS.

Daily inspections of the illuminating gas as furnished the citizens of Baltimore have been made, both as to its photometric value as compared with the standard photometric candles, and also as to the presence of sulphur and ammonia compounds. These are happily absent, or in such minute quantities that only on critical investigation can they be detected.

Tabulated statement of photometric value of illuminating gas by month furnished to consumers from December 31st, 1895, to November 1st, 1896, for standard wax candles burning 120 grains per hour, legal standard twenty candles:

	<i>Highest.</i>	<i>Lowest.</i>	<i>Average.</i>
December, 1895.....	26.40.....	23.84.....	25.13
January, 1896.....	27.33.....	23.46.....	25.95
February, 1896.....	30.00.....	24.00.....	26.91
March, 1896.....	28.04.....	24.80.....	26.87
April, 1896.....	29.00.....	23.60.....	26.17
May, 1896.....	27.78.....	25.54.....	26.87
June, 1896.....	28.70.....	27.13.....	28.10
July, 1896.....	30.78.....	26.85.....	28.16
August, 1896.....	28.62.....	24.87.....	26.96
September, 1896.....	30.00.....	27.02.....	28.44
October, 1896.....	28.27.....	27.34.....	27.59
November, 1896.....	28.77.....	26.35.....	27.36

Respectfully submitted.

P. B. WILSON,

Inspector of Gas and Illuminating Oils.

ANNUAL REPORT

— OF THE —

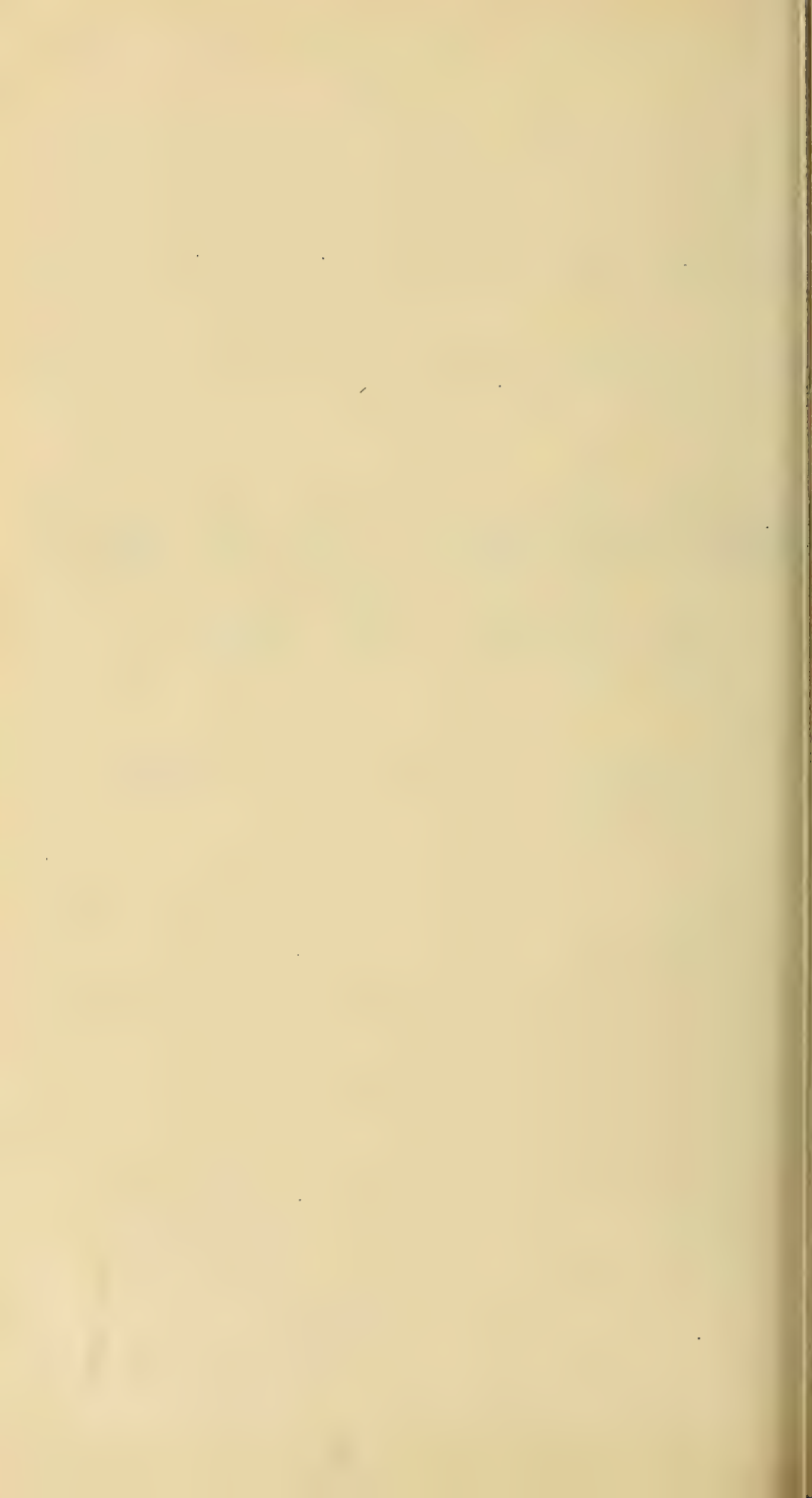
**General Superintendent of Lamps and Inspector
and Sealer of Gas Meters**

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



REPORT.

OFFICE OF THE GENERAL SUPERINTENDENT OF LAMPS
AND INSPECTOR AND SEALER OF GAS METERS—
CITY HALL ANNEX,

BALTIMORE, December 31st, 1896.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: I have the honor of presenting the Seventeenth Annual Report of this department, showing the appropriations, receipts and disbursements and the general operation of affairs relating to the lighting of the city for the year ending December 31, 1896:

There are now in use in the first twenty wards of the city, city proper—

1,299 Electric arc lamps.

5,083 Gas lamps.

327 Gasoline lamps

and in the Twenty-first and Twenty-second Wards, City Annex—

39 Electric arc lamps.

845 Gas lamps.

653 Gasoline lamps.

The electric lamps are supplied by contract, the companies supplying them furnish all the plant and attend to all work connected with the service.

That section of the city west of Charles street by the Edison Electric Illuminating Company.

That section east of and including all lamps on Charles street by the Brush Electric Company.

The contract was made for five (5) years from September 7th, 1894, both companies furnishing the lamps at a cost to the city of thirty-five (35) cents per lamp per night.

The department has a system of inspection by which each lamp is tested for its voltage and each circuit for its amperage; these tests are made on the streets, which affords the department the opportunity of making tests without the knowl-

edge of the companies, and any lamps found not up to the nominal 2,000 candle-power is considered not burning, for which the companies receive no pay.

I desire to call attention to the fact that the city has *no contract* for the gas it uses, but is compelled to pay the same as the private consumer, viz: One dollar and twenty-five cents (\$1.25) per thousand cubic feet. During the year this department has consumed more than one hundred and eleven million (111,000,000) cubic feet, for which we paid one hundred and thirty-nine thousand four hundred and fifteen dollars and eleven cents (\$139,415.11). It therefore appears that as the department is such a large consumer, the gas company should not charge more than one (1) dollar per thousand feet for the gas used by the city, at least for the gas used in the street lamps.

This department has no authority to order mains laid at points where gas-lamps are needed, and the department is blamed for not providing the light asked for.

The gasoline lamps are located in the sections of the city not supplied with gas-mains. They are supplied with gasoline and kept filled by contract with Samuel H. Randall, Jr., & Co., at a cost to the city of twelve dollars and seven cents (\$12.07) per lamp per annum. This contract will expire June 30, 1897.

There are five Superintendents of Lamplighters for the first twenty wards, and one for the Twenty-first and Twenty-second Wards. Their reports are herewith appended.

SUPERINTENDENTS' REPORTS.

BALTIMORE, December 29th, 1896.

W. H. Swindell Esq., General Superintendent of Lamps:

DEAR SIR: I take pleasure in presenting the report of the Annexed District of Lamplighters:

During the past year there has been eighteen (18) new electric lights erected on Garrison avenue and Liberty road.

The improvement has been very satisfactory to those using this important highway. There are now thirty-nine (39) electric lights in the Annex District.

There are eight hundred and forty-five (845) gas-lamps in use, one hundred and forty-six (146) of which were erected,

and five (5) lamps having been discontinued during the year. Many more gas-lamps are needed, and as the gas-mains are laid, it is presumed that if the appropriation is made the lamps can be placed as the demands for them becomes a necessity.

There are six hundred and fifty-three (653) gasoline lamps now in service—one hundred and sixty-eight (168) new ones, and eighty (80) discontinued.

The gasoline lamps have given general satisfaction, but where the gas-mains are laid I would recommend the substitution of gas-lamps.

During the year all the gas and gasoline lamp-posts have been straightened, which made a great improvement.

There were thirty-five (35) lighters in the district the first of the year, but the erection of new lamps caused the appointment of four (4) additional, making now thirty-nine (39) men, who are charged with the care of fourteen hundred and ninety-eight (1,498) lamps.

During the past year there has been little complaint against the lamplighters for the neglect of their duties.

I desire to express my thanks to them for the cheerfulness with which they carried out the instruction from time to time given them.

Yours respectfully,

E. OREM,

Superintendent Lamplighters, Annex District.

BALTIMORE, December 31st, 1896.

W. H. Swindell, Esq., General Superintendent of Lamps:

DEAR SIR: I herewith respectfully present my First Annual Report as Superintendent of Lamplighters of the Northwestern District for the year ending December 31st, 1896:

This district embraces the territory lying within the following boundaries:

North side of North avenue on the north, the west side of Charles on the east, the north side of Pratt on the south, and the east side of Fremont and Pennsylvania avenues to North avenue on the west.

There are two hundred and twenty (220) electric lights (three new ones erected during the year), placed principally through the business section of the district, which are giving excellent service.

The sixteen (16) gas-lamps situated on Park Place Square that were changed to Welsbach lights are a decided improvement in illuminating the squares over the ordinary gas-lamps.

There is a total of fifteen hundred and ten lamps in this district classified as follows:

Electric lights.....	220
Gas-lamps.....	1,249
Gasoline lamps.....	25
Welsbach.....	16
	<hr/>
	1,510

During the year twenty-two (22) new gas-lamps have been erected, two (2) relit and twenty-two (22) discontinued.

In various alleys and courts, where there are no gas mains; twenty-five (25) gasoline lamps furnish light; one (1) new one placed in service and three (3) discontinued during the year.

Twenty-three lamplighters are employed in this district, each man assigned a beat which is so arranged that each one performs the same amount of work. Every man is held to a strict observance of the schedule for lighting, extinguishing, keeping his lamps clean, reporting all defects, etc. They are performing their work in a manner that reflects credit to the department.

The district is well lighted in every locality.

The lamps are all in first-class condition, the lighters reporting all defects as they occur promptly, and the necessary repairs are made without delay.

Respectfully submitted.

R. A. KINNAIRD,

Superintendent Lamplighters, Northwestern District.

BALTIMORE, December 31st, 1896.

W. H. Swindell, Esq., General Superintendent of Lamps, etc.:

DEAR SIR: I have the honor of presenting the Annual Report of the Eastern District of Lamplighters. The district embraces all the territory east of Caroline street, from North avenue to the water front.

There are two hundred and five (205) electric lights,

twelve (12) of which were put in service in the past year. The Broadway, Northeastern and Canton Markets are lighted by electricity, and seem to give general satisfaction.

There are at present eleven hundred and fifty-five (1,155) gas-lamps in use, thirty-three (33) of which were erected during the year, one (1) relit and thirty-three (33) discontinued.

There are one hundred and six (106) gasoline lamps in the district; seven (7) new ones were erected during the year, and four (4) discontinued. Since the new contract was given out on the first of July, requiring them to be filled every other day, I have had no report for the want of oil, showing the contractor is fulfilling his contract.

During the year there were a great many discontinued posts removed, and if many more were removed it would keep the sidewalks in better condition. Some of them are on corners where there are two and three other poles and posts of different kinds, and I think it would be much better if they were removed.

There are a great many new streets being cut through in the northeastern section of my district requiring light which are now in darkness.

To light and care for the twelve hundred and sixty-one (1,261) gas and gasoline lamps there has been assigned twenty-five (25) lamplighters. Their beats have been arranged with much care, so as to not only equalize the work, but that portion of each beat where the light is most needed in the early part of the evening receives attention first.

During the year there has been very little complaint against the lamplighters for neglect of duty, and I desire to express my thanks to them for the willingness with which they carried out my instructions.

Yours respectfully,

EDWARD HAMMER,
Superintendent Lamplighters, Eastern District.

BALTIMORE, December 31st, 1896.

W. H. Swindell, Esq., General Superintendent of Lamps:

DEAR SIR: I have the pleasure of presenting to you the Report of the Western District of Lamplighters, as follows:

The Western District embraces all the territory from the

west side of Fremont and Pennsylvania avenues to old city limits, and on the south by the north side of Pratt street to Parkin, and thence on the line of the B. & O. R. R. to the old city limits, and on the west by the old city limits, and on the north by North avenue to the old city limits.

On the 1st of January there were 1,008 gas-lamps in use, since which time 8 new ones have been erected, 1 relit and 3 discontinued, making the present number 1,014.

At the beginning of the year there were 59 gasoline lamps in use, there were two new ones erected, making now 61 in use. Since the new contract for supplying fluid to the gasoline lamps required them to be filled every other day, I have had no reports of lamps being out for want of oil. At times on windy nights they are blown out, but I know of no way to prevent this trouble.

There are 163 electric lamps in the district. They are arranged upon mast-arms, brackets and posts so as to give light to the best advantage; some few of them have the light partly obstructed by trees and awnings, and if moved would give better results.

To light and care for the (1,075) gas and gasoline lamps there has been assigned twenty-one (21) lamplighters; their beats have been arranged with much care, so as to not only equalize the work, but that the portion of each beat where the light is most needed in the early part of the evening receives attention first.

During the past year there has been very little complaint against the lamplighters for neglect of duty, and I desire to express my thanks to them for the cheerfulness with which they carried out the instructions given them.

Respectfully yours,

B. F. APPLER,

Superintendent Lamplighters, Western District.

BALTIMORE, December 31st, 1896.

Mr. William H. Swindell, General Superintendent of Lamps:

DEAR SIR: I have the honor of presenting my First Annual Report of the Southern District Superintendent of Lamplighters:

The district embraces that portion of the city as follows: Commencing at the south side of Pratt and Light streets to Parkin, following the Baltimore and Ohio Railroad to the

western city limits, south to the Patapsco river, east to Fort McHenry, thence along the water front to the place of beginning.

On January 1st, 1896, there were eleven hundred and twenty lamps in the district, viz:

796 Gas.

250 Electric.

74 Gasoline.

At present there are eleven hundred and twenty-six lamps in the district, viz:

796 Gas.

260 Electric.

70 Gasoline.

To light and care for the above lamps there has been assigned twenty (20) lamplighters. Their beats have been arranged with much care, so as to equalize the work, as well as have that portion of the beats which need the light in the early part of the evening receive attention first.

During the past year there has been ten new electric lamps put up, twelve new gas-lamps erected, three relit and fifteen discontinued, one new gasoline lamp erected and five discontinued.

By the various changes that have been made a very noticeable improvement in the better lighting of the streets has been secured, and although the improvements have not been very marked, the people of this district are expecting them soon to be.

The lamplighters have all rendered satisfactory service with very few exceptions.

Very respectfully submitted.

JACOB B. SWINDELL,

Superintendent of Lamplighters, Southern District.

BALTIMORE, MD., December 31st, 1896.

To William H. Swindell, Esq.:

DEAR SIR: I have the pleasure in presenting to you my First Annual Report of the Northeastern District of Lamplighters to the above date:

In the district are found four hundred and forty-eight (448) electric lights, placed upon brackets and poles; thirteen (13) new ones have been erected, and a number of them

have been placed on North avenue, between Caroline and Charles streets, with the wires placed underground, which seems to give better light and more safety to the general public.

There are at present eight hundred and thirty-five (835) gas-lamps in use, nine (9) of which were erected during the year, two (2) relit and fifty-seven (57) discontinued. There are also sixty-nine (69) gasoline lamps, one (1) new one placed in position and two (2) discontinued; the oil that is being furnished for the same I find of good quality and to give a very good light.

Classification of lamps is as follows;

Electric lamps.....	448
Gas-lamps.....	835
Gasoline.....	69
<hr/>	
Total.....	1,352

The gas-lamps are furnished with globes and the gasoline with square lamps. The district seems to be thoroughly lighted. A number of lamplighters have been removed for various causes, but at present they are performing their duties more satisfactorily.

The beats are nearly equally divided, and the average time of lighting is about one hour. On account of the number of electric lights that have been erected during the year, the district has been revised; one lamplighter has been transferred from the district to the Annex, which leaves twenty (20) men to perform the work of lighting the district. The district is in good condition, and the boundary is from the water-front to North avenue, and from the east side of Charles street to the west side of Caroline street.

Respectfully submitted.

PHILIP WITTS,

Superintendent, Northeastern District.

These Superintendents are to keep a general supervision of the actions of the lamplighters, to see that the lamps in their districts are lighted and extinguished at the proper hours; that the lighters report their lamps promptly for necessary repairs, and that the lamps are kept clean at all times.

The Superintendents' districts are very large, thereby

allowing derelictions of lamplighters that never get to the knowledge of the General Superintendent. These Superintendents report at the office of the General Superintendent every morning (on a form for the purpose) all matters that require attention in their several districts.

There are one hundred and forty-seven (147) lamplighters in the employ of the city, one hundred and eight (108) in the city proper, and thirty-nine (39) in the City Annex. These men are given a monthly schedule of the time to light and extinguish the lamps.

At the present time they are charged with the care of six thousand nine hundred and eight (6,908) lamps, and the city is divided into beats, so as to equalize the work as near as possible, thereby permitting all the lamps to be burning within an hour from the time set for lighting.

The rules of the department require the lighters to report each morning before eight o'clock to their Superintendent any lamp or lamps in their charge that need attention, and any man failing to obey the rules receives notice of his immediate dismissal from the service.

The lamplighters receive eight dollars (\$8) per week.

I desire to call your attention to the account of lamplighters' salaries. This department should be held responsible for the payment of same, and an account should be charged against the General Superintendent of Lamps, etc. Heretofore the appropriation made for this purpose has been paid by the Register on warrants of the Comptroller. As such salaries are part of the cost of maintaining light upon our streets, I cannot understand why it has not been charged against this department, and I would suggest that it be so charged that the public can be able to know the full cost of the service.

The department is charged with the work of placing the street names throughout the entire city, and since my taking charge of the office (July 3d) I find it very expensive to keep the glass signs in the electric light district (those on the side of houses) in condition on account of the small boys breaking them; therefore, it has been decided to place the steel enamel signs on the sides of the houses (in the electric light sections), believing they will be more economical.

I have asked for an appropriation to cover the cost of removing the unused gas lamp-posts. These posts are unsightly, and if taken down can be used in new territory where lamps are needed, thereby saving the city the cost of new posts. During the year the department has inspected eleven thousand six hundred and twenty-one (11,621) gas meters.

It is not generally known that any consumer of gas, believing his or her gas-meter is registering inaccurately, can, by requesting this department and paying the fee, \$1.00, in advance, have their meter inspected, and if found registering against them will have their \$1.00 refunded and a certificate of the test will be given, upon which the gas company will allow a rebate upon four months' bills of the amount of the overcharge, and the gas company is required to put upon the premises an accurate meter. There has been on exhibition sixteen (16) Welsbach lamps on the Park Avenue Squares for the past year, and they have given perfect satisfaction. The illumination is vastly increased over the ordinary lava tip burner now in use. New York City has adopted them upon the Western Boulevard, and they appear to give entire satisfaction to the lighting authorities, as well as the general public. I have been informed that the improved Welsbach burner has made it thoroughly practicable as a street-lighting medium. A further test of the system will be made in the near future, and if found expedient, as well as economical, it would be well to light at least the lamps on the public squares, and perhaps *then* extend the system throughout the entire city.

COST OF LIGHTING THE CITY.

The cost of lighting the city proper for the year 1896 was as follows:

Electric lights.....	\$163,187 11	
Gas-lamps.....	126,329 15	
Gasoline lamps.....	5,589 09	
Salaries.....	54,124 14	
	<hr/>	\$349,229 49

The cost of lighting the City Annex for the year 1896 was as follows:

Electric lights.....	\$ 2,804 22	
Gas-lamps.....	21,878 33	
Gasoline lamps.....	8,648 28	
Salaries.....	18,092 01	
	<hr/>	51,422 84
		<hr/>
		\$400,653 33

I desire to express my thanks to my clerk (Mr. C. E. Cole) for the efficient manner in which he has performed the duties assigned him, and for the valuable assistance rendered me since taking charge of the office.

Very respectfully yours,

WM. H. SWINDELL,
General Superintendent of Lamps, etc.

TABLES.

TABLE A.

Exhibits the number and sizes of meters inspected; also, those rejected as incorrect.

SIZE AND NUMBER OF METERS INSPECTED AND SEALED.

Size of Meters.....	2-lt.,	3-lt.,	5-lt.,	10-lt.,	20-lt.,	30-lt.,	45-lt.
No. of Meters.....	27.	732.	10,176.	281.	125.	36.	25.
Size of Meters.....	60-lt.	80-lt.,	100-lt.,	150-lt.,	200-lt.		
No. of Meters.....	30.	6.	29.	5.	1.		

SIZE AND NUMBER OF METERS REJECTED AS INCORRECT.

Size of Meters.....	3-lt.,	5-lt.,	10-lt.,	20-lt.,	45-lt.,	100-lt.
No. of Meters.....	10.	128.	3.	4.	1.	2.

In addition to the above there were 35 lamp, market and engine-house meters taken out, 30 of which were incorrect or otherwise out of order.

TABLE B.

Shows the amount received by the department and paid to the Register on warrants from the Comptroller.

Inspecting gas-meters.....	\$2,808 50
Recovered damages to lamps.....	287 25
	<hr/>
	\$3,095 75

TABLE C—CITY PROPER.

Exhibits the amount of the appropriation and amount expended, with balance unexpended, for the electric light account.

Appropriation for electric lights.....	\$167,000 00
Amount expended.....	163,187 11
	<hr/>
Balance.....	\$3,812 89

TABLE D—CITY PROPER.

Exhibits the amount of appropriation and amount expended, with balance unexpended, for the gas account.

Appropriation for gas.....	\$132,612 50
Amount expended.....	126,329 15
	<hr/>
Balance.....	\$6,283 35

TABLE E—CITY PROPER.

Exhibits the amount of appropriation and amount expended, with balance unexpended, for the gasoline account.

Appropriation for gasoline.....	\$5,804 00
Amount expended.....	5,589 09
Balance.....	<u>\$214 91</u>

TABLE F—ANNEX.

Exhibits the amount of appropriation and amount expended, with the balance unexpended, for the gas account.

Appropriation for gas.....	\$22,735 00
Amount expended.....	21,878 33
Balance.....	<u>\$856 67</u>

TABLE G—ANNEX.

Exhibits the amount of appropriation and amount expended, with balance unexpended, for the electric light account.

Appropriation for electric lights.....	\$5,690 00
Amount expended.....	2,804 22
Balance.....	<u>\$2,885 78</u>

TABLE H—ANNEX.

Exhibits the amount of appropriation and amount expended, with balance unexpended, for the gasoline account.

Appropriation for gasoline.....	\$8,796 00
Amount expended.....	8,648 28
Balance.....	<u>\$147 72</u>

TABLE I—CITY PROPER.

Shows the amounts required for the year ending December 31, 1897.

The appropriation for electric lights will cover the cost of the electric lamps on streets, in squares, markets, on bridges, erecting and removal of lamps, straightening posts, renewal of services, new globes, new lanterns, lamp-posts, street signs, burners, stops and all necessary repairs for keeping the lamps in good condition, and for additions and alterations to gas-pipes or fixtures in public buildings...	\$172,726 75
The appropriation for gas will cover the cost of gas for street lamps, squares, markets, bridges, Washington Monument, erecting and removal of lamps, straightening posts, renewal of services, new globes, new lanterns, lamp-posts, street signs, burners, stops and all necessary repairs for keeping the lamps in good condition, and for additions and alterations to gas-pipes or fixtures in public buildings...	140,792 50
The appropriation for gasoline will cover the cost of gasoline and filling the fluid-burning lamps, new posts, lanterns, burners, valves, lamp-wick, glass and all necessary repairs for keeping the lamps in good condition.....	6,026 00
The appropriation for office salaries.....	3,000 00
The appropriation for Superintendent and Lamplighters' salaries.....	48,178 00

TABLE J—ANNEX.

Shows the amounts required for the year ending December 31, 1897.

The appropriation for electric lights will cover the cost of the electric lamps on the streets and highways.....	\$7,026 25
The appropriation for gas will cover the cost of gas for street lamps, erecting and removal of lamps, renewals of services, straightening posts, new lanterns, globes, burners, lamp-posts, stop-cocks, street signs and all needed repairs to keep the lamps in proper condition.....	25,053 00
The appropriation for gasoline will cover the cost of gasoline and the filling of the gasoline lamps, new posts, lanterns, burners, valves, lamp-wick, glass and all needed repairs to the fluid-burning lamps.....	9,714 00
The appropriation for Superintendent and Lamplighters' salaries.....	17,992 00

ANNUAL REPORT

— OF THE —

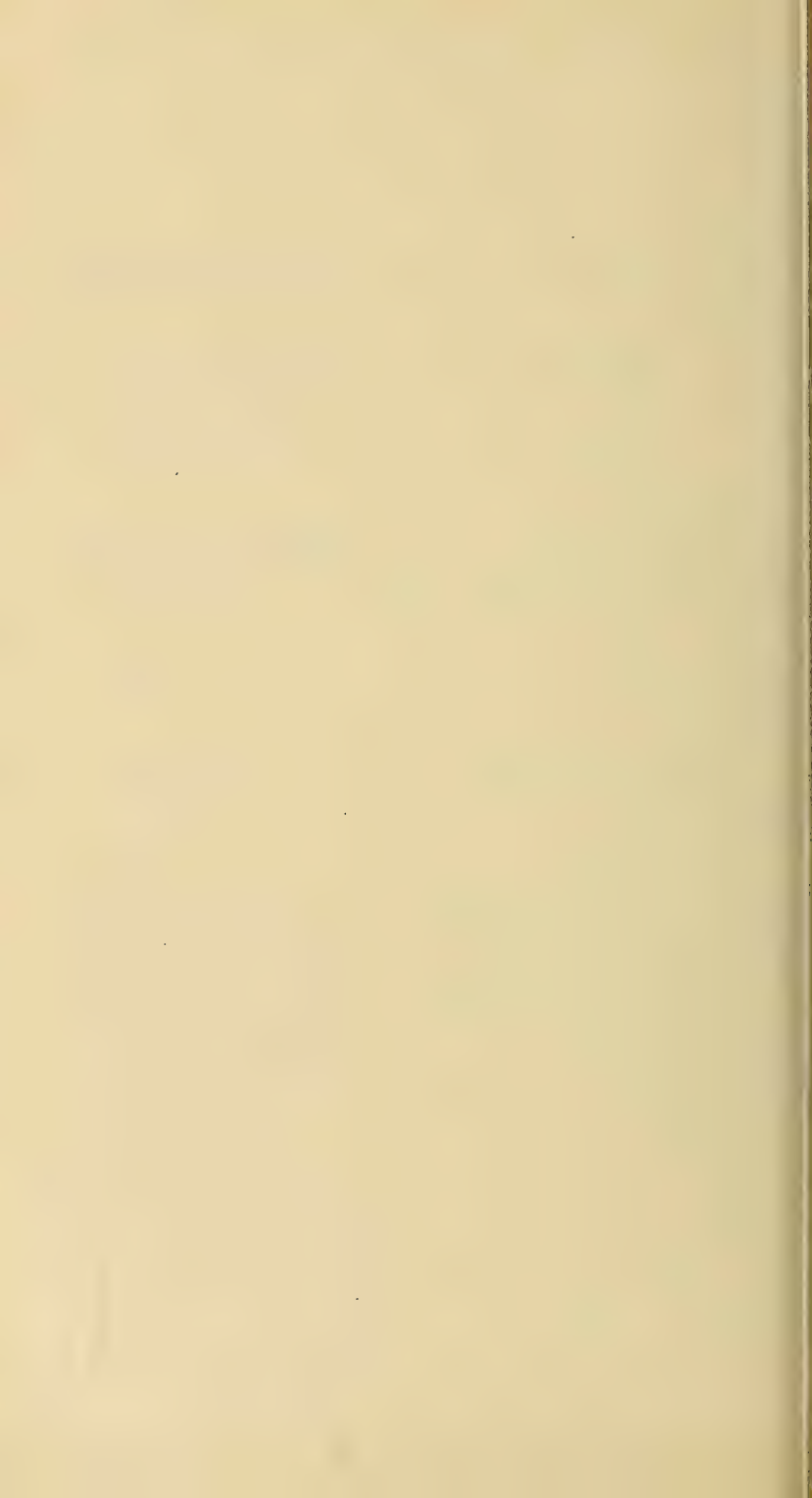
Judges of the Appeal Tax Court

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



REPORT.

APPEAL TAX COURT—CITY HALL,

BALTIMORE, January 5, 1897.

To the Honorable the Mayor and City Council of Baltimore :

GENTLEMEN : We beg leave herewith to submit the result of the labor of this department for the year ending on the 31st day of December, 1896,

Tabular Statement "A" shows the taxable basis charged to the City Collector for the years 1893 to 1896, both inclusive, with the assessments added to each, and the collection and abatements on each.

Table "B" exhibits by wards the number of building permits issued during the year.

Table "C," the Assessor's report, shows the number of new buildings and additional improvements assessed by the Court's Assessor, the wards in which they are severally located, and the detailed and aggregate valuation of the same.

TABLE A.

STATEMENT OF PROPERTY FOR EACH YEAR CHARGED TO THE CITY
COLLECTOR, DECEMBER 31, 1896.

1896.		1893.	<i>Real.</i>	<i>Personal.</i>
Jan. 1.	To amount remaining uncollected..		\$ 63,382	\$ 778,37
Dec. 31.	" " of assessment.....		550,000	1,000,00
			<u>\$613,382</u>	<u>\$1,778,37</u>
1896.				
Jan. 1.	By abatements.....			\$122,61
Feb. 29.	" "			69,53
Mar. 31.	" "			19,59
April 30.	" "			363,30
May 30.	" "		\$ 200	23,63
June 30.	" "		1,050	28,79
July 31.	" "			15,90
Aug. 31.	" "		1,400	91,70
Sept. 29.	" "			2,60
Oct. 31.	" "			11,55
Nov. 30.	" "			33,67
Dec. 31.	" "			11,08
Dec. 31.	" amount collected.....		540,274	949,53
Dec. 31.	" " remaining uncollected.		70,458	34,84
			<u>\$613,382</u>	<u>\$1,778,37</u>
1893—ANNEX.				
1896.				
Jan. 1.	To amount remaining uncollected..		\$235,506	\$ 26,27
Dec. 31.	" " of assessment.....			100,00
			<u>\$235,506</u>	<u>\$126,27</u>
1896.				
April 30.	By abatements.....			\$36,90
May 30.	" "		\$ 750	
Aug. 31.	" "			2,00
Sept. 29.	" "		505	
Dec. 31.	" amount collected.....		31,543	32,114
Dec. 31.	" " remaining uncollected.		202,708	55,265
			<u>\$235,506</u>	<u>\$126,279</u>
1894.				
1896.				
Jan. 1.	To amount remaining uncollected..		\$13,274,069	\$2,832,539
Dec. 31.	" " of new assessments.....			6,850
			<u>\$13,274,069</u>	<u>\$2,839,389</u>

TABLE A—Continued.

1896.			<i>Real.</i>	<i>Personal.</i>
Jan. 31.	By abatements	\$	5,212	\$ 194,915
Feb. 29.	" ..		250	90,994
Mar. 31.	" ..		700	42,759
April 30.	" ..		17,900	375,563
May 30.	" ..		1,050	27,685
June 30.	" ..		1,050	65,466
July 31.	" ..		2,827	40,861
Aug. 31.	" ..		3,700	173,599
Sept. 29.	" ..		6,629	9,040
Oct. 31.	" ..		6,788	79,358
Nov. 30.	" ..		413	11,140
Dec. 31.	" ..		3,390	16,150
Dec. 31.	" amount collected		13,135,190	1,418,779
Dec. 31.	" " remaining uncollected..		89,970	293,080
			<u>\$13,274,069</u>	<u>\$2,839,389</u>

1894—ANNEX.

1896.				
Jan. 1.	To amount remaining uncollected..	\$1,490,104		\$190,344
1896.				
Jan. 31.	By abatements			\$17,000
April 30.	" ..	\$	525	38,411
May 30.	" ..		2,455	
Aug. 31.	" ..			13,405
Sept. 29.	" ..		874	1,000
Nov. 30.	" ..		9,850	
Dec. 31.	" amount collected		1,200,787	85,919
Dec. 31.	" " remaining uncollected..		275,613	34,609
			<u>\$1,490,104</u>	<u>\$190,344</u>

1895.

1896.				
Jan. 1.	To amount remaining uncollected..	\$67,892,417		\$16,210,602
April 14.	" " new assessments			579,330
May 30.	" " " "			38,915
Dec. 31.	" " " "		1,025	120,010
			<u>\$67,893,442</u>	<u>\$16,948,857</u>

TABLE A--Continued.

1896.		<i>Real.</i>	<i>Personal.</i>
Jan. 31	By abatements.....	\$ 58,590	\$ 458,692
Feb. 29.	" "	6,500	221,309
Mar. 31.	" "	15,521	49,129
April 14.	" "	4,650	384,880
May 30.	" "	34,380	201,342
June 30.	" "	6,961	524,693
July 31.	" "	1,400	75,577
Aug. 31.	" "	10,587	186,372
Sep. 29.	" "	3,925	93,902
Oct. 31.	" "	4,788	171,581
Nov. 30.	" "	413	28,403
Dec. 31.	" "		1,204,920
Dec. 31.	" "	12,771	44,280
Dec. 31.	" amount collected.....	53,191,300	9,547,580
Dec. 31.	" " remaining uncollected.	14,541,656	3,756,197
		<hr/> \$67,893,442	<hr/> \$16,948,857

1895—ANNEX.

1896.			
Jan. 1.	To amount remaining uncollected.	\$9,126,180	\$2,298,627
April 14.	" " new assessments.....	750	219,762
		<hr/> \$9,126,930	<hr/> \$2,518,389

1896.			
Jan. 31.	By abatements	\$ 700	\$ 31,822
April 30.	" "	6,250	49,261
May 30.	" "	6,905	5,950
Aug. 31.	" "	1,240	15,185
Sep. 29	" "	749	
Nov. 30.	" "	26,231	230
Dec. 31.	" " plant.....		63,500
Dec. 31.	" amount collected.....	7,411,248	2,024,790
Dec. 31.	" " remaining uncollected..	1,673,607	327,651
		<hr/> \$9,126,930	<hr/> \$2,518,389

TABLE A—Concluded.

1896.		1896.	
		<i>Real.</i>	<i>Personal.</i>
May 30.	To amount of assessment of 1895 remaining as a portion of assessment for 1896, less incorporated companies	\$224,830,143	\$38,882,269
May 30.	To amount of assessments, judgments Superior Court		147,095
May 30.	To amount of assessments, judgments Court Common Pleas		20,943
May 30.	To amount of new assessments	3,102,094	1,086,289
Dec. 31.	To amount of new assessments	26,880	794,172
Dec. 31.	To amount of assessments, judgments City Court		166,266
Dec. 31.	To amount of assessments incorporated companies		30,739,039
		<u>\$227,959,117</u>	<u>\$71,836,073</u>
1896.			
May 30.	By abatements	\$ 499,959	\$ 1,027,697
June 30.	" "	47,454	729,922
July 31.	" "	16,504	1,777,166
Aug. 31.	" "	17,995	245,911
Sept. 29.	" "	9,248	141,708
Oct. 31.	" "	52,612	592,931
Nov. 30.	" "	22,412	147,809
Dec. 31.	" "	55,521	175,776
Dec. 31.	" amount collected	155,078,533	54,695,303
Dec. 31.	" " remaining uncollected ..	72,158,879	12,301,850
		<u>\$227,959,117</u>	<u>\$71,836,073</u>
1896—ANNEX.			
May 30.	To amount of assessment of 1895 remaining as a portion of assessment for 1896, less incorporated companies	\$24,545,837	\$2,318,640
May 30.	To amount of new assessments	1,919,508	119,523
Dec. 31.	To amount of new assessments, incorporated companies		3,967,280
		<u>\$26,465,345</u>	<u>\$6,405,443</u>
1896.			
May 30.	By abatements	\$ 77,570	\$ 101,973
Aug. 31.	" "	14,408	171,253
Sept. 29.	" "	29,574	3,950
Nov. 30.	" "	44,243	45,618
Dec. 31.	" "	12,260	8,925
Dec. 31.	" amount collected	16,320,959	5,484,803
Dec. 31.	" " remaining uncollected ..	9,966,331	588,921
		<u>\$26,465,345</u>	<u>\$6,405,443</u>

RECAPITULATION.

AMOUNT FOR DIFFERENT YEARS THAT IS CHARGED TO THE CITY COLLECTOR,
JANUARY 1, 1897.

1893—Real	\$70,458	
Personal.....	34,848	
		\$ 105,306
1894—Real	\$ 89,970	
Personal	293,080	
		383,050
1895—Real	\$14,541,656	
Personal	3,756,197	
		18,297,853
1896—Real	\$72,158,879	
Personal	12,301,850	
		84,460,729
		\$103,246,938
Less amount of plant, 1896		1,207,630
		\$102,039,308
Amount of exemption of plant of incorporated companies..		\$2,140,425

ANNEX.

1893—Real	\$202,708	
Personal	55,265	
		\$ 257,973
1894—Real	\$275,613	
Personal	34,609	
		310,222
1895—Real	\$1,673,607	
Personal	327,651	
		2,001,258
1896—Real	\$9,966,331	
Personal	588,921	
		10,555,252
		\$13,124,705
Less amount of plant, 1896		57,000
		\$13,067,705

TABLE B.

THE NUMBER OF PERMITS ISSUED FROM JANUARY 1, 1896, TO DECEMBER 31,
1896, FOR NEW BUILDINGS AND IMPROVEMENTS WERE:

<i>Wards.</i>	<i>New Improvements.</i>	<i>Additional Improvements.</i>	<i>Total.</i>
1	151	50	201
2	9	16	25
3	4	14	18
4	8	26	34
5	13	12	25
6	8	16	24
7	331	43	374
8	48	14	62
9	11	13	24
10	14	15	29
11	9	18	27
12	55	25	80
13	4	2	6
14	6	8	14
15	9	11	20
16	7	8	15
17	123	30	153
18	125	30	155
19	265	31	296
20	45	17	62
	<hr/> 1,245	<hr/> 399	<hr/> 1,644
21	467	43	510
22	660	53	713
	<hr/> 1,127	<hr/> 96	<hr/> 1,223

To the Honorable the Judges of the Appeal Tax Court:

GENTLEMEN: I most respectfully submit the following as my report for the year ending December 31, 1896, of the number of new and additional improvements, the several wards in which they are located, and assessed value of the same:

TABLE C.

<i>Wards.</i>	<i>New Improvements.</i>	<i>Additional Improvements.</i>	<i>Value.</i>
1	51	67	\$138,300
2	5	4	5,550
3	4	4	12,350
4	17	13	23,100
5	3	9	11,550
6	4	14	18,050
7	236	49	205,050
8	11	5	27,800
9	2	3	16,300
10	14	4	204,500
11	6	9	102,000
12	46	23	125,950
13	4	1	4,300
14	2	9	71,200
15	8	5	16,500
16	3	11	5,475
17	164	23	98,100
18	77	23	76,840
19	230	30	247,050
20	5	11	6,700
	892	317	\$1,416,665

\$399,965 of the above in basis of 1896.

Very respectfully,

JOSHUA D. TAYLOR,

Assessor of New Property.

PLANT.

The exemption from city taxes for plant in 1896 aggregate a total of \$1,207,630 to individuals, and exemption to incorporated companies, \$2,140,425; total, \$3,348.055. City Annex, \$57,000.

REFUNDS.

From January 1, 1896, to December 31, 1896, there have been one hundred and two (102) orders for refunding of taxes, given generally to parties who have paid in error, either as double payment or on wrong property, or have paid on old improvements torn down, as well as on the new improvements.

TRANSFERS.

From January 2, 1896, to February 15, 1896..... 1,970

TAX DEPARTMENT,

CITY COLLECTOR'S OFFICE—CITY HALL,

BALTIMORE, January 1, 1897.

To the Honorable the Judges of the Appeal Tax Court:

GENTLEMEN: The undersigned reports the Bailiff's Department as having made assessments of personal property to March 1, 1896, of the following amount: One million eighty-six thousand two hundred and eighty-nine dollars (\$1,086,289).

Respectfully submitted.

P. SCANLAN, *Bailiff*.

APPEAL TAX COURT—CITY HALL,

BALTIMORE, January 7, 1897.

To the Honorable the Judges of the Appeal Tax Court:

The following report for the year ending December 31, 1896, of the new and additional improvements in the

Twenty-first and Twenty-second Wards, and their value as assessed by the undersigned is respectfully submitted:

<i>Wards.</i>	<i>New Improvements.</i>	<i>Additional Improvements.</i>	<i>Value.</i>
21	560	29	\$1,197,509
22	521	32	646,650
	<hr/> 1,081	<hr/> 61	<hr/> \$1,844,150

Included in the above amount is \$351,100, which went in the basis of 1896.

Most respectfully,

J. C. LE GRAND COLE,

Assessor for Twenty-first and Twenty-second Wards.

APPEAL TAX COURT—CITY HALL,

BALTIMORE, April 15, 1896.

To the Honorable the Judges of the Appeal Tax Court of Baltimore:

The undersigned, the Board of Assessors, having completed the work of revision of the assessment for which this Board was appointed three years ago, so far as the limited number of Assessors could, in connection with their other duties, accomplish, and in view of the retirement of the Board, by reason of the passage by the Legislature of the new Assessment Act, as stated by His Honor the Mayor in his letter of request for the resignation of the members of the Board of Assessors and Clerk, respectfully report that for the year ending on the first Monday in April, 1896, the new assessments added to the taxable basis after revision by the Appeal Tax Court, as shown by the new assessment book for 1896 on pages 51 to 155, amounted to the sum of \$739,425, which amount, added to the assessments made by the Board in 1894 and 1895, show a net increase to the taxable basis of \$4,026,790.

Respectfully submitted.

GEORGE W. MASSAMORE,

ELIAS ROSENBAUM,

GEORGE T. FOWLER,

F. G. MAXWELL.

WILLIAM J. KING, *Chief Assessor.*

PAUL CLUNET, } *Clerks.*

F. X. JENKINS, }

The State Board of Appeal, through the State Tax Commissioner, ordered abatements made aggregating \$1,611,479 from the assessments made by the State Tax Commissioner of the shares of stock of the several banks. This large amount is principally the cause of the heavy abatements shown for the year 1896.

The new assessment ordered by the General Assembly, at its last session, has passed into the hands of the Boards of Control and Review, and will be urged to completion in time for the tax levy of 1897.

The facts already at hand lead us to believe that the basis of taxation will be largely increased.

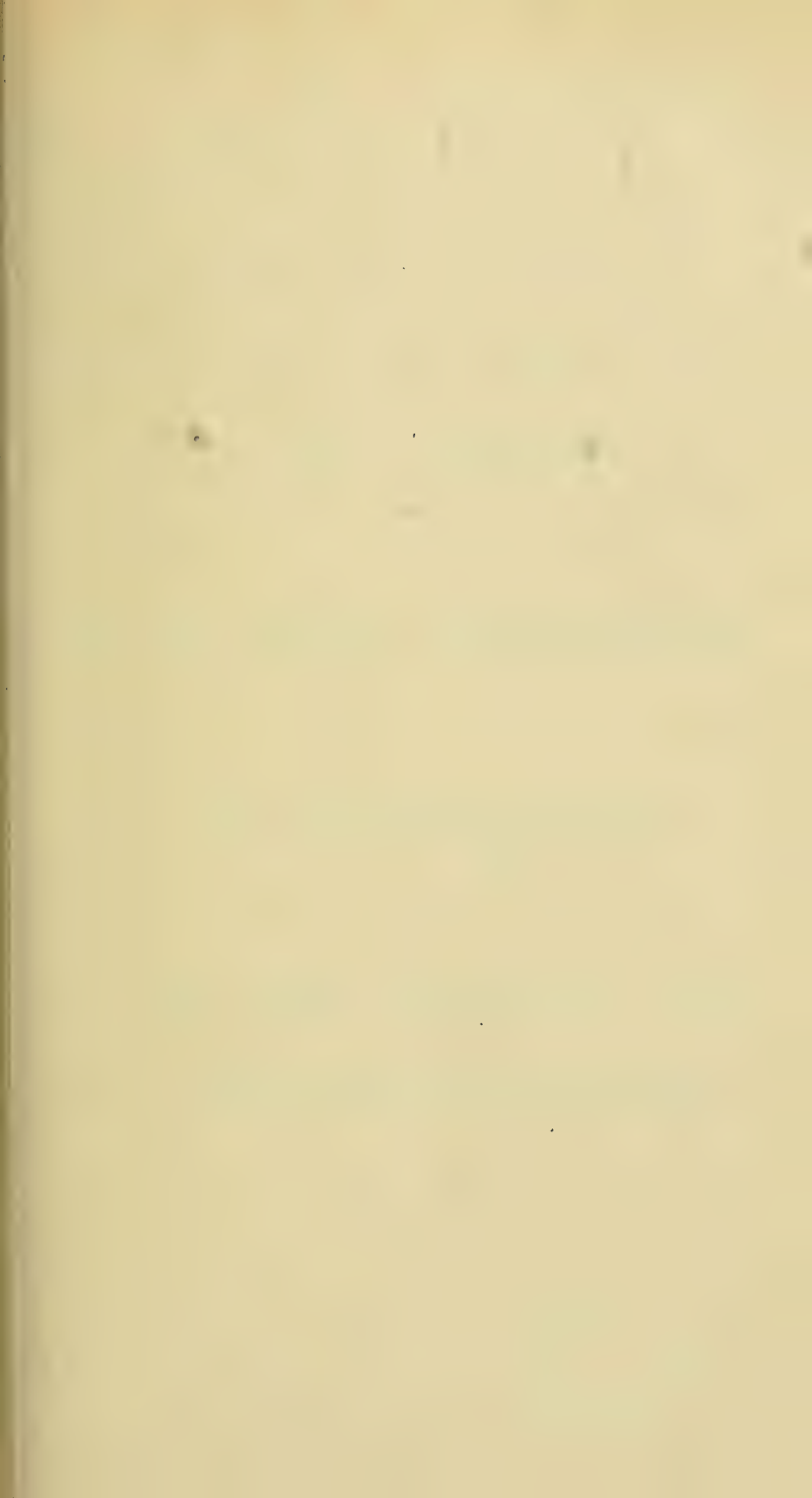
Respectfully submitted.

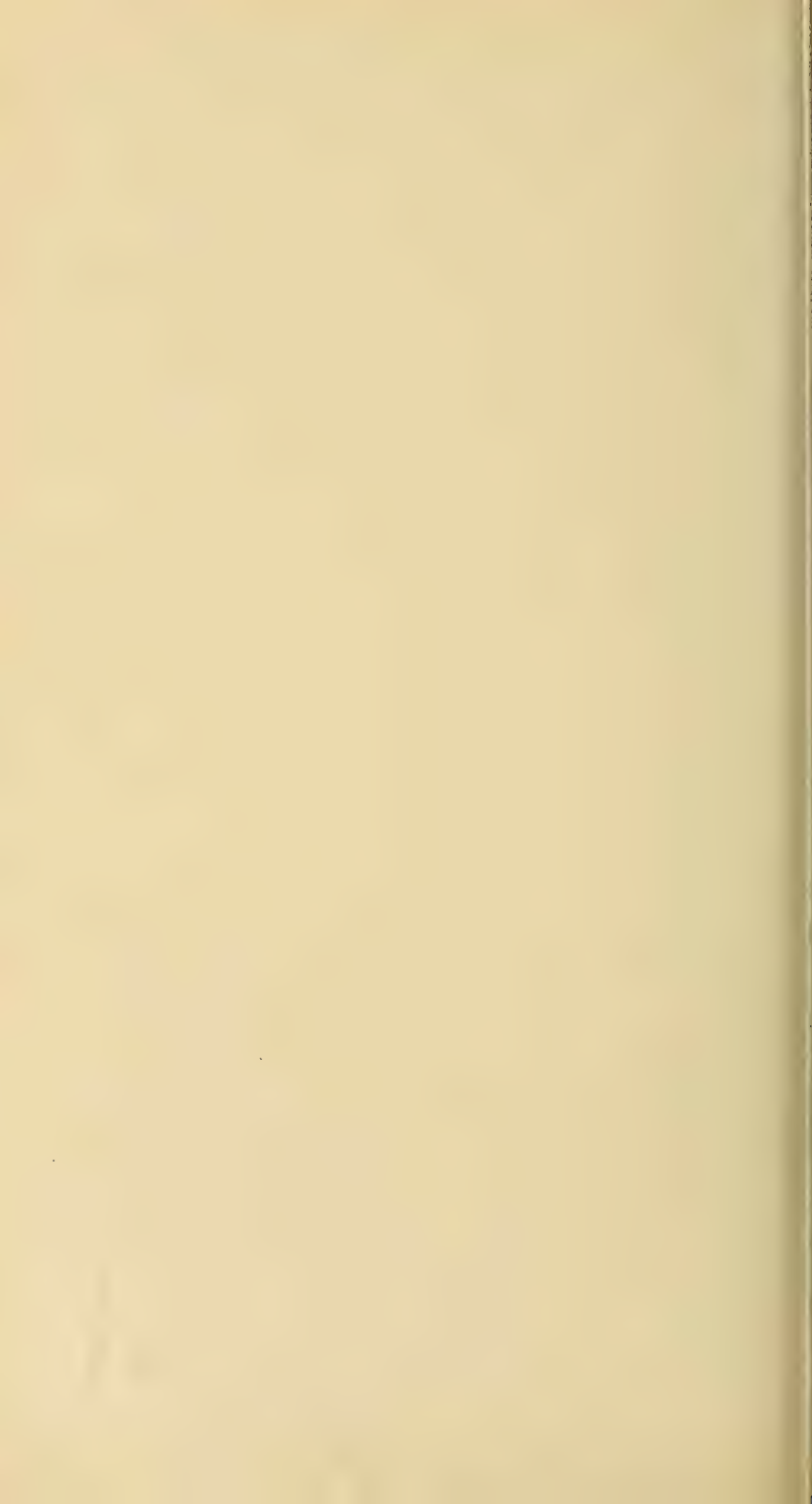
THOMAS H. KING.
JOHN F. LANGHAMMER.
T. B. HULL.

THOMAS K. McCORMICK, *Clerk*.

BENJAMIN F. WOELPER, JR., *Assistant Clerk*.







37TH ANNUAL REPORT

— OF THE —

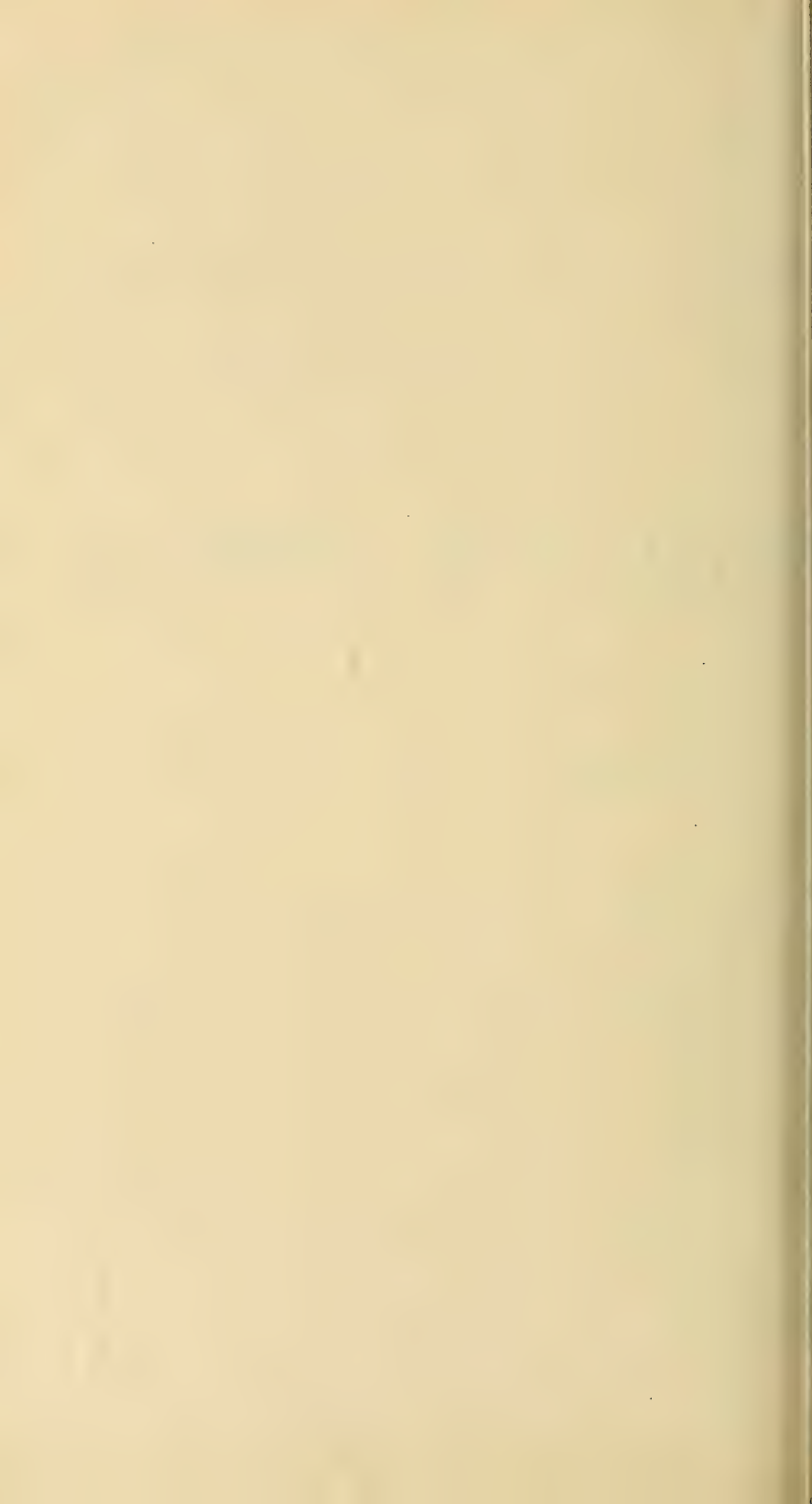
PUBLIC PARK COMMISSION

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



THE PUBLIC PARK COMMISSION

— OF THE —

CITY OF BALTIMORE, MD.

HON. ALCAEUS HOOPER, MAYOR,
Chairman ex-officio.

GEN. JOHN S. BERRY, *Secretary.*

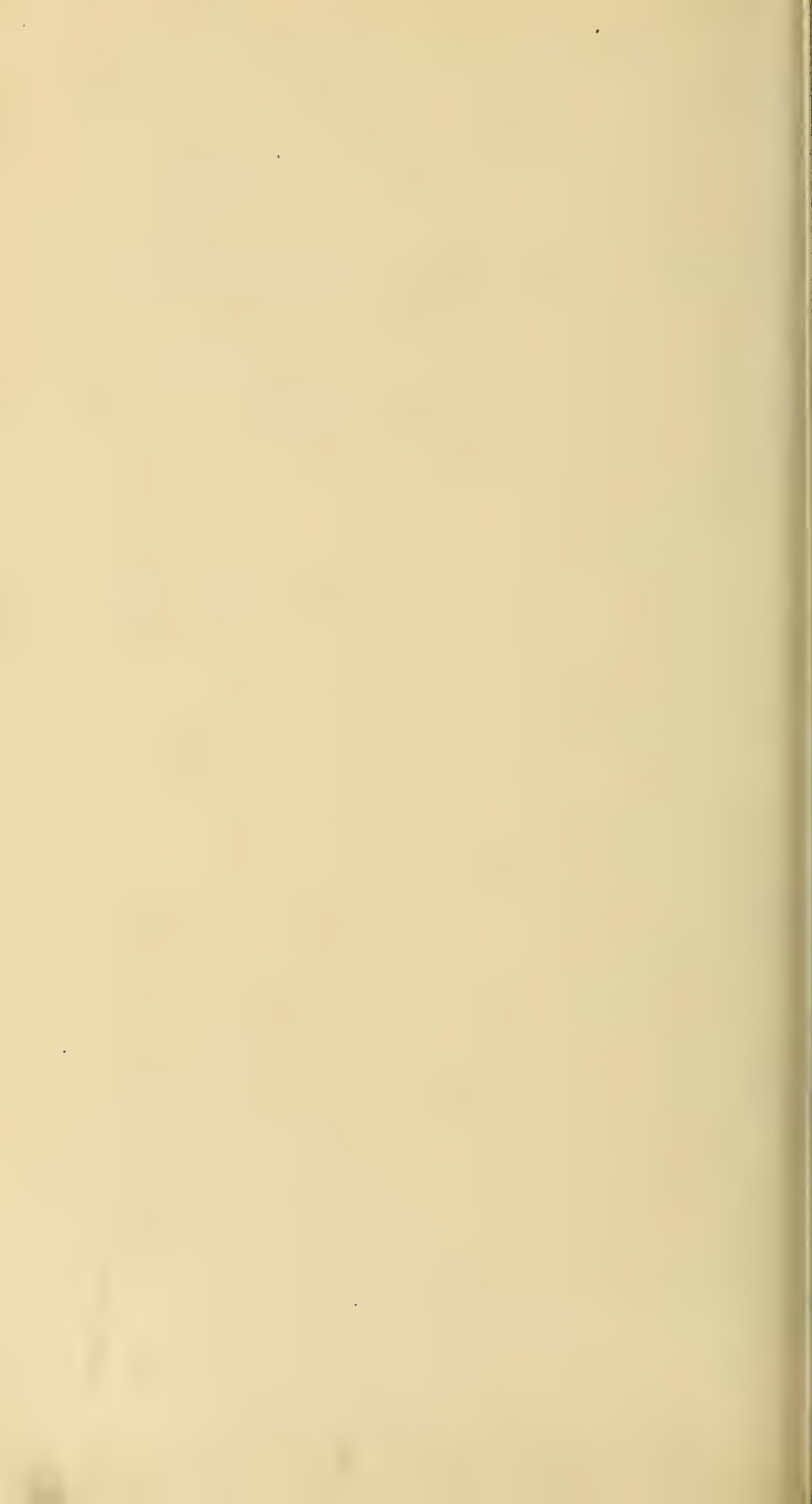
DAVID L. BARTLETT.

GERMAN H. HUNT.

JOHN C. FROEHLICH.

DOUGLAS H. THOMAS.

GEORGE R. WILLIS.



REPORT OF THE PUBLIC PARK COMMISSION.

BALTIMORE, December 31, 1896.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: In accordance with Section 5 of an ordinance providing for a public park or parks, approved July 21, 1860, we beg leave to submit a brief summary of what has been done in the public parks during the year 1896:

DRUID HILL PARK.

No new work of magnitude has been undertaken during the past year. It has been the effort of the Commission to try to develop and beautify what exists, and to endeavor to meet the growing demands of the public in regard to roads, footways, cycle tracks, etc. Much labor has been expended in perfecting the service of the driveways, several of which have been remade, whilst extensive repairs have been effected in others, with much improvement of the drainage and accessories. One of the principal improvements was effected at and in the vicinity of the sea lion pond, the carriage concourse was widened, a terrace provided with seats for those on foot, and a track made with accommodations for wheelmen, which entirely relieves them from interference by carriages, and gives easy communication with the adjacent roads. During the month of May three sea lions were brought from the Pacific coast, much to the pleasure of the public, and the Commission only regrets the fact that both of the cubs born after their arrival were drowned before they were able to take care of themselves.

The fine new tennis courts on either side of the palm house were completed early in the year, and will be available for use during the coming season. An advantageous exchange of property at Prospect Hill was made with Robert Poole, by which the rotten rock quarry has been much enlarged, and material provided for future road repairs. Preparations are now being made for a considerable increase

in the lighting of roadways, which will add much to the pleasure of those using the park after sunset. Two new iron shelters have recently been erected at the zoo for the better accommodation of the animals. Considerable damage was done by storms in September in the destruction of trees, although there is consolation in the fact that many of the fallen trees were getting insecure through decay, and their destruction generally leads to the more rapid development of the younger specimens near by. It is well to note the improvements which have taken place in the main approaches to the park. Mt. Royal avenue has been paved and is building up rapidly; Eutaw Place extended has also been much improved with many houses of the best character. The Rogers' property along the Reisterstown road has been purchased for building purposes, and the western and north-western sides of the park will, in a few years, be bordered with residences. Towards the valley of the Falls the immediate proximity of the N. C. R. W. will always keep the eastern boundary in its present condition.

PATTERSON PARK.

Many minor improvements have been made in the old park, such as paving, drainage, the making of new walks where needed, and other matters, all tending to increase the attractiveness of the property. On the extension, the work of construction has been carried on as rapidly as the moderate force allowed. At the close of the year but little rough grading remains to be done, after which the sodding, soiling and seeding will be gradually completed.

A new gateway of granite and iron is now going up at the intersection of Baltimore and Patapsco streets. The conservatory and greenhouses are well kept and flourishing.

FEDERAL HILL, RIVERSIDE, JOHNSTON PARKS, MT. ROYAL TERRACES.

There is nothing special to report about these parks. They have been kept in good order, and such improvements as suggested themselves from time to time have been executed. Considerable work was made necessary at Riverside by the opening of Johnston street, much to the advantage of the park. A new flight of steps was built at Federal Hill, and some new block paving laid at Johnston Park.

COLLINGTON PARK.

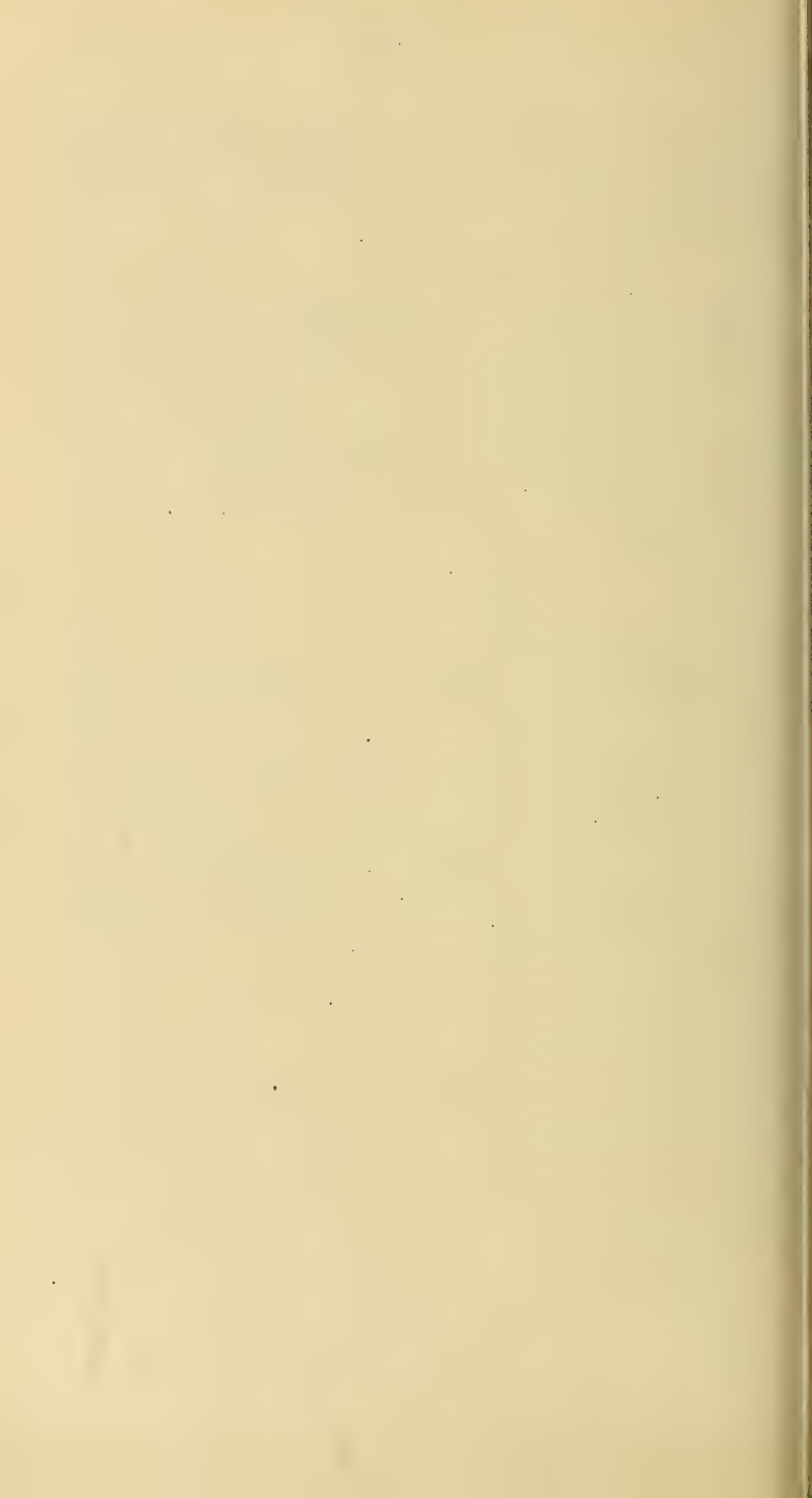
The work of construction was resumed in April, and at this date the work is very nearly completed as far as grading, sodding, soiling and seeding is concerned, leaving the completion of walks and planting of trees and shrubbery to another season.

CARROLL PARK.

Much has been done here in the matter of beautifying the old park and adding to its convenience in every way—roads, walks, lawn and garden plats have all been improved during the year. The greenhouse and nursery are full of valuable stock, and many fine specimens have been set out in the grounds. The old fashioned terraced garden is very attractive. The work on the extension to Columbia avenue has advanced rapidly, a large amount of material has been added during the year, and the boundary fence is now in place.

CLIFTON PARK.

This has been an active year at Clifton in certain directions. The farming operations have been regularly carried on, resulting in a good crop, now being utilized by 26 head of stock, principally from Druid Hill. The gardener's house was taken possession of in July, and has been thoroughly renovated; it is now occupied by the family of the park gardener. The porter's lodge or main gatehouse has been repaired and rented to one of the park hands. The old Hopkins' greenhouses have been repaired and occupied, also the old conservatory. The exterior fence has been put in good condition, and many other necessary improvements have been attended to at various points. In all these matters you are respectfully referred to the report of the General Superintendent and Engineer for details, and for financial items to the report of the Treasurer.



REPORT OF THE GENERAL SUPERINTENDENT AND ENGINEER.

To the Public Park Commission:

GENTLEMEN: I beg leave to present my report for the year 1896:

DRUID HILL PARK.

(671.21 Acres.)

During the month of January all outside work came to an end as usual, this being, as a rule, the severest month of the year. January, 1896, did not, however, compare with January, 1895, the snow fall being only two inches and the lowest temperature 5° , whilst the highest was 56° . During February the rotten rock quarry was reopened for the preparation of road metal. From this time on, work was gradually resumed in its various branches, until in April everything was in full operation.

ENTRANCES.

No special work was done, other than keeping the gateways in order. Eutaw Place and Latrobe avenue continue to be the most frequented approaches, and will be more so each year, as they are being built solidly to the park boundary, and will soon no doubt communicate with the heart of the city, all the way, over smooth pavements, Eutaw Place lacking a few blocks to North avenue, and Mt. Royal from Dolphin south and east to Guilford avenue. Access for bicycles to the Mt. Royal avenue entrance has been facilitated by the laying of eight strips of asphalt blocks across the car tracks, between which the cobble still remains.

DRIVEWAYS.

A very large amount of repairing has been executed during the year upon the driveways; the necessity for economy and the entire reconstruction of Swann avenue during 1895 with macadam had somewhat reduced the amount of work done

to roads in general during that year. Active work began in March and continued steadily until July, when, by the direction of the Committee on Improvements, the quarry and road forces were increased so as to push the repairs as rapidly as possible, until the winter season should put a stop to them. In addition to the ordinary repairing and patching, which is carried on by a gang of from four to eight men, including drivers, who do nothing else, a large special force was put to work upon such roads as required entire resurfacing and reconstruction. From the Garrett bridge north and west to the forks of the Pimlico and Green Spring avenues 3,500 feet were remade or resurfaced. Abreast of the sea lion pond the driveway was widened from 30 feet to 40 feet. At the Dogwoods several severe bends were cut out and the road widened about 5 feet; this road was also reshaped and the drainage changed for a distance of 500 feet. As our own quarry could not supply the repair gang with material, and also the special work named above, rapidly enough, sufficient outside material, amounting to 2,000 cubic yards, was purchased to keep the work going steadily. In view of the enlargement of our rotten rock quarry, through the acquisition of the Poole property, and the necessity of having free and easy access to the same, the old upper road was entirely rebuilt on a regular grade and a new lower road constructed; these cart roads were made in March and have been of infinite service. We now have two outlets from the quarry, one east and one west, on regular grades, making the work much easier on the stock. The combined length of these roads is 1,000 feet. Before closing the subject of roads, I would recommend that the stretch of road in front of the Palm House be macadamized next season for a distance of about 400 linear feet. The situation is low and damp, and no road thus placed can be kept in good condition that has not a broken stone base to facilitate rapid drainage. The very steep portion of the north approach to the Mansion where it enters the Esplanade was paved with large pebbles to prevent wash, amounting to 490.5 square yards.

FOOTWAYS.

The following footways have been constructed during the year:

One from near the Druid Hill avenue entrance to the Promenade, 600 feet long and 8 feet wide, surfaced with limestone screenings; the other, a terrace footway 238 feet

long, included in the improvements at the sea lion pond, surfaced with rotten rock.

The path from Madison avenue entrance to the Wallace Statue has been practically remade, extended and resurfaced with limestone; this path is 713 feet long. The footway from the new cycle track to sea lion pond is paved for 75 feet with asphalt tiles. Four footway entrances to new tennis courts made and paved. Many other footways have been repaired and surfaced, including the Eastern footway, Latrobe avenue and the steep path leading to the Silver Spring, which was paved.

CYCLE TRACKS.

A track for cyclers, in connection with the general scheme for the improvement of the grounds around the sea lion pond, was begun on June 29 and completed with the other improvements in September.

It is west of the sea lion pond, is 10 feet wide, increased to 20 feet abreast of the pond, and is with its branches 1,150 feet long; it is guttered and drained throughout and surfaced with fine rotten rock; a heavy guard rail for the accommodation of wheels extends along the front of the track a distance of 138 feet, whilst 13 park benches are placed on its western side to overlook the pond.

The old road-bed, known as the Dummy railway track, has also been surfaced and turned over to the cyclers. This makes a straight and beautiful run from near the barn to Seven Oaks, 2,400 feet long, and is much appreciated, as it avoids the steep pull in the driveway near Seven Oaks. Benches have been placed at eligible points along this track.

DRAINAGE.

The most extended piece of drainage executed during the year was a pipe line from the Pimlico road, just north of the palm house to the main sewer from the boat lake, 687 feet long, and was put in to divert the Pimlico road drainage from the Orem property; five brick inlets were constructed on this line.

In reconstructing the drainage of the Dogwoods road 114 linear feet of 10-inch pipe were laid to a sand trap at the west end of the boat lake. A number of other short runs of pipe were laid, notably in the case of the new cycle track. The total amount of new drain-pipe laid during the year is 1,152 feet; brick inlets built, 25. As we are very often

much inconvenienced by the accumulation of fine debris and scum at the extreme eastern end of the boat lake, notably the case last summer when the red animalculæ appeared, a waste weir was constructed at that point with a valve through which the surface can at any time be cleaned of accumulations, the edge of the weir being six inches below the high water line of the lake. In addition to the above work we have laid new stone guttering, 3,367 linear feet, and brick, 1,041 linear feet. Much ordinary repairing of gutters has also been done.

BUILDINGS.

The construction of new buildings this year has been confined to an iron pavilion on a brick base for the housing of rabbits and prairie dogs, and the placing of an iron shelter of octagonal shape over the old bear pit now occupied by coons. To meet the new conditions the pit has been filled up to within six feet of the surface. These buildings were completed in December, with the exception of the den for the coons, which, being brick lined, cannot be built until the winter closes; in the meantime the coons are comfortably housed in one of the animal cages.

MASONRY.

Retaining walls with head walls were built to regulate the outlet of the branch which drains the fish ponds. The stream is at times very high and it became impossible to keep up the boundary fence; it will now be anchored on the head walls. The retaining walls of the two streams which meet at the Twin Beech were extended. A sand trap was built at the horse rack near the sea lion pond. Several other small items were attended to under this head from time to time, and several masonry dams built and others repaired in the beds of streams to prevent the loss of fine trees.

TENNIS COURTS.

Work was resumed on these early in the year, but bad weather interfered and nothing of consequence could be done until March 6. On May 30 they were completed and sown with grass seed. The sod is now quite firm and will be available for use next summer. The areas are of ample size, with slope enough to drain well. The temporary courts in use during 1896, being limited in number and extent, have defaced the grounds very much.

FENCES.

The exterior boundary line has undergone some changes this year, necessitating the rebuilding of fences. By order of the Commission the fence on Park Terrace, which, some years ago, had been irregularly moved in to give the old People's Line Railway access to the Madison avenue entrance, was moved out to a regular line within ten feet of its original position; this leaves Park Terrace 60 feet wide instead of 50, its original width; the length of this change was 498 linear feet.

The exchange of property consummated between Robert Poole and the Commission necessitated the rectification of boundary lines at Prospect Hill, which was done in July. The amount of land acquired by the Commission was .85 acre, whilst the amount deeded to Robert Poole was as nearly the same as practicable. The change involved the erection of 810 linear feet of new picket fence. During October 198 feet of picket fence on the northeast boundary was destroyed by fire from an N. C. locomotive. This was immediately rebuilt, and as the adjoining fence was much decayed extensive repairs had to be made to it. In all cases, where possible, in rebuilding fences along the railroad, they are placed on the true boundary line, and where this is impossible, as close to it as the railroad cuttings will permit. In addition to the above the boundary fence along the Orem estate, which had been partly buried by the resurfacing of the Orem property, was raised and reset.

PAINTING.

Painting has gone on actively during the year, and has generally kept two men busy. All rolling stock repaired during the winter of 1895 and '96, a portion of the interior of the mansion, the roofs of the Madison avenue gateway and the Maryland Building, Latrobe pavilion, inside and out, some work at the Stone House, the iron fence around the Rogers' graveyard, also the iron fence along the Orem property, and other property, have been painted.

GARDENING.

The scope of this department includes the proper care of the palm house, the propagation of plants in the propagating house for use in the summer beds, the care of the nursery, the planting and care of the summer beds, the

planting and care of young trees, hedges, etc. These duties have been faithfully carried out during the year. All hedge rows, flower beds and plants needing it have been thoroughly manured for the winter. The number of visitors to the palm house during the year has been 25,277. Coal consumed in the palm house, $68\frac{1}{2}$ tons; in the propagating house, $12\frac{3}{4}$ tons; total, $81\frac{1}{4}$ tons during the year. The number of bedding plants propagated during the season was 47,000, of these 37,000 were used at Druid Hill Park, 10,000 were sent to other parks. During October 22,000 tulip bulbs were set out in the different beds for spring flowering, and during the month of November 221 deciduous trees were planted, 71 of which came from our own nursery and the park woods, the balance being purchased from different nurseries. The gardening department also looked after the Liberty street triangle, planting and keeping it in order.

SUNDRIES.

The Rotten Rock Quarry.—This has been energetically worked during the past season, and a large amount of material taken out. The acquisition of the Poole property will enable us to lower the working level as soon as the present floor is exhausted. The area of good rock is extending, and a few seams of black material, too soft for surfacing, have been worked through.

The new roads are a material aid in working this quarry, giving easy access to it by regular grades. Whilst it cannot be said that this quarry is exhaustless, it will certainly yield all needed material for current repairs for years to come.

The Boat Lake.—Last summer produced such an abundant crop of marine grass in this lake that, with the consent of the Commission, when the lake was lowered for Mr. Bishop's fish harvest, it was thoroughly drained, allowed to dry out as far as practicable, and then well covered with quick lime to destroy the roots of the grass. We hope that this experiment will be successful, although the vitality of this growth is something amazing.

Paving.—Only the following items were executed during the year:

Asphalt block	197 sq. yds.
Brick	449 "
Large pebble in roadways	787 "
	<hr/>
	1,433 "

Stairways.—The main entrance steps to Mansion rebuilt, also the flight leading down to the monkey house, also at Grove No. 9. The wooden steps on Fulton avenue front of the Traction terminal station having become decayed were reconstructed in granite out of material on hand.

Repairs to Buildings.—The "Pavilion Latrobe" was thoroughly repaired in the month of June; the lower portion had become much decayed, and the pavement out of level. In repairing it the old built-in seats were removed, the floor reset, and park benches supplied. This pavilion is much resorted to by visitors. A good deal of wood was replaced in the lower portion of the palm house; this consisted of ventilator frames, sills, facings, etc., which are entirely independent of the indestructible iron frame of the structure.

The Zoo.—This establishment, small as it is, has enjoyed its usual popularity, the animals and birds have been in good health, and the mortality moderate. Both Cinnamon bears presented by Mr. Oehm are dead, leaving the old black bear alone. We have, however, a half-grown cub, which will soon be large enough for the regular den. He is of the black variety native to this region, and better able to live here than the Cinnamon bears of the remote West. The iron shelter over the coon pit is now complete, and the pit filled in. It will not be possible, however, to put the coons into it until spring. The new rabbit and prairie dog house is also finished. These two structures improve the appearance of the little valley very much.

The Maryland Building.—This museum is in excellent order and has been much visited. No new gifts have been made to it for years, although there is ample room for a good deal more than now exists within its walls.

Repair Shop.—This useful and indeed indispensable institution has been busily occupied during the year in keeping the tools, rolling stock, benches and other equipments about the park in order, including all painting of rolling stock, signs, benches, etc. Much new work has also been done here as we rebuild our own carts entirely. To sum up: Eleven watering wagons, 20 carts, 1 dray and 1 wagon have been thoroughly overhauled, and many of the carts entirely rebuilt. The mowing machinery has also been cared for in this shop.

Sea Lions.—On May 4, at 6.45 A.M., the three sea lions purchased by the Commission arrived and were put into the pond. Two cubs have been born, one in May, one in June:

both were drowned, the last one being raced to death in play by one of the older animals. In case any more cubs are born it might be well, if possible, to place the mother and the cub in another pond until it became large enough to take care of itself. These animals are perhaps the central attraction in the park, and the beautifying of their surroundings is entirely justified by the interest shown by the public.

Storms.—Two very severe storms, one on July 27 and one on September 29, did much damage to our roads, but especially to the timber, that of September 29 being the most destructive we have had for years. In the two storms we lost 63 trees outright, torn up by the roots, or broken short off; in addition 98 were much mutilated, whilst the mass of leaves and small twigs, which covered the ground like a carpet, can hardly be realized by those who did not see it. The entire available force in Druid Hill Park was employed after the storm of September 29 in clearing the roads—16 axmen, 30 laborers and 16 carts were busy for four days, after which the force of woodsmen was reduced to its normal size.

Pumps and Wells.—All pumps and wells have been kept in order and have in general been equal to the draught made upon them. At times, however, under the pressure of great crowds, the wells are pumped dry. This only applies, however, to the Madison avenue and Druid Hill avenue entrances. The interior of the park is watered for drinking purposes by running springs. Madison avenue and Druid Hill avenue, the two railway terminals, are the weak points. The introduction of city water through a fountain with half a dozen nozzles at each gateway would be the cheapest method of reinforcing the supply, but the water would be warm and the draught on the present supply, which is small, would be great and the waste continuous. It is true that these fountains need only be turned on when great crowds are present. On ordinary days the present pumps are sufficient. The other plan would be to sink an additional well near each gate, say 8 feet in diameter, and of sufficient depth to reach a permanent supply.

These large wells give ample storage capacity, which is very essential, and, of course, would be independent of the city water supply.

Electric Light Service.—This has been in the main very satisfactory during the year. The park seems to be well patrolled, and all lights out are duly reported by the com-

pany, whose reports agree very closely with our own. To facilitate testing the cable line around the lake 14 brick wells were built at the lamp-poles, which permit, if necessary, the drawing of the cable.

Sheep.—There has been but little demand for sheep during the past year, as the account of sales well show. The flock at this date, December 31, contains:

Bucks.....	38
Ewes.....	120
Total.....	158

Police Record.

Total arrests during the year.....	51
Fined.....	30
Dismissed.....	21

Disposal of cases as below:

Paid their fines.....	26
Committed in default.....	4

The large number dismissed shows the difficulty of getting conviction in cases of fast driving and in bicycle cases. Total amount of park fines paid, \$140.

With some of the police magistrates the difficulty of getting park fines is very great. The number of city officers on duty in Druid Hill varies, of course, with the season. During January, February and March we had 2; in April, 6; in June, July, August and September, 7; in October, 6; in November, 5; in December, 2. This force is not enough at any time to carry out effectively the rules of the Commission. The Local Superintendent estimates that there should be 10 city officers on duty from May 1 until November 30.

The following permits were issued during the year:

Picnics.....	421
Baseball.....	507
Football.....	93

Property of all kinds is in good condition, including buildings, with the exception of the Mansion, which needs a few repairs after its 10 years' lease. A permanent pavement is needed around the monkey house to replace the present slatted walk, which is thoroughly decayed. The construction of the new rabbit and coon houses make the present eagle cage look very shabby. I would suggest its reconstruction next summer. Whenever the present farm buildings are

moved the camels could be provided for in the monkey house valley, thus bringing all the show animals together and enabling the two keepers to assist each other in their duties.

Advantage has been taken of the large amount of farm produce harvested at Clifton Park to send 17 head of stock to be wintered there.

PATTERSON PARK.

(106 Acres).

ENTRANCES.

On May 19 instructions were issued to the General Superintendent and Engineer to prepare drawings for a new gateway at Patapsco and Baltimore streets, with probable cost of same. These drawings were submitted on June 16 and referred to the Committee East. Subsequently they were submitted to the Art Commission, which directed new plans made, so that the final approval did not take place until September 17. The granite work was let to C. E. Simpson & Co., and the iron work to G. Krug & Son. Both are well advanced towards completion, and, should the weather permit, erection will take place in January. The foundations are in place and ready for the cut work. The style of the gateway is renaissance.

DRIVEWAYS.

The construction of new driveways has been confined to the extension where the eastern section of the main road has been extended south 700 linear feet and the southern section 415 feet east, leaving a gap between the two of 100 feet. This gap is at present occupied by the railway with which we are finishing up the southwestern terraces. On January 10 the track will be removed and the gap in the road will be closed as soon as spring opens. The length of the exterior driveway in the extension is one mile, whilst in the old park it is one and one-tenth miles; united they amount to two and one-tenth miles, describing approximately the figure OO (the two circles), uniting at the esplanade overlooking the extension; this makes quite a respectable drive, with no repetition. On the old roads the usual amount of repairing was done during the year except to the macadam, which is in fine order and wears well.

FOOTWAYS.

We have had to construct two new footways during the year in the old park at points where the public clearly indicated their need by cutting across the lawns. These paths aggregate 292 feet in length, and are 6 feet 6 inches wide; they are made in three layers, 6 inches of oyster shells, 2 inches of cinders and 1 inch of limestone siftings.

The steep walk from the mall to Pratt street gate, 400 feet long and 8 feet wide, was paved with asphalt blocks in October; this had been in contemplation since the spring and was much needed; 9,000 blocks were used in the work. A brick walk 50 feet long was laid in the rear of the Local Superintendent's house to reach a closet. Three hundred lineal feet of gravel walks were reconstructed; all new walks were guttered and drained. In addition to the above work within the park limits 800 square yards of brick pavement were laid on Baltimore street east of the Patapsco street entrance, by our own men, and with sand hauled by park carts from the extension. This pavement cost laid, including excavations, all materials and laying, 62.1 cents per square yard.

Some other small pieces of asphalt pavement have been laid amounting to about 42 square yards. All footways received the usual care during the year and have been kept in good order.

DRAINAGE.

Four hundred and sixty-four lineal feet of drain-pipe from 6 inches to 10 inches in diameter have been laid during the year, 229 feet in the old park and 235 lineal feet on the extension, in connection with the new driveway in the southeastern section; 10 new brick inlets were built on these pipe lines; 1,507 lineal feet of brick gutter was laid in the old park and 2,009 lineal feet on the extension, lining each side of the new driveway.

BUILDINGS.

The only new building done during the year was the extension to the ice-house, begun in September and finished in October. The size of the old house has been doubled, and its capacity is now 250 tons. In the matter of improvements to old buildings the solid plank ventilators were removed from the old propagating house and replaced with sash, thus giving much more light and making a light roof; this has increased the capacity of the house materially.

The wharf at the boat house has been entirely rebuilt on a better plan, for the convenience of the public, and the boat house repaired. Many other small repairs were made to buildings during the year, including some new spouting and guttering.

MASONRY.

The walls of the ice house extension are of stone, in addition to which the only masonry put in during the year was the foundation for the new entrance on Baltimore street, finished on November 11.

FENCES.

A portion of the exterior line of fence, including the hedge row along Eastern avenue, had to be adjusted to the new grade given the avenue when it was paved. This was done in April, and involved a good deal of labor, as the avenue was raised at some points 18 inches. In June, by order of the Eastern Committee, the wire fence was removed from along the Baltimore street front, leaving the hedge alone as a protection.

PAINTING.

The boat house and the lady house (so called) were thoroughly painted, inside and out. All pavilion roofs, the wood work of the Ice house, the walls and ceiling of the park office, and many other small matters have been painted. All work has been done by our own hands.

GARDENING.

This department has been well kept up during the year. The product of the propagating houses was 60,167 bedding plants. Of these 42,000 were set out in Patterson Park, 6,041 sent to Riverside, 4,584 to Federal Hill, 6,042 to Johnston Park, 900 to Carroll, and 600 to Mt. Royal Terraces. 45 deciduous trees, 10 evergreens, and 25 shrubs have been set out during the year, largely from the park nursery, which is very well stocked. 2,500 tulips and crocuses were bedded this fall for spring flowering. The conservatory has been well kept up, and the out-of-door beds during the season were very beautiful. The amount of coal consumed during the year has been, in the conservatory, 75 tons, and in the propagating houses 20 tons.

THE EXTENSION.

The close of December brought the rough grading of the southwestern terraces so nearly to a finish that at this date, January 12, the track is ready to be removed. This leaves only the leveling up of the southeastern corner and the construction of the low esplanade at that point to complete all the rough grading. The force at work on the extension varies with the demand for labor in the old park. Whenever possible all hands are concentrated on the extension work. We have hauled into the extension during the past season 1,413 loads of soil from the property of the Canton Company, near Highlandtown, and piled up for future use. So much surface remains to be soiled and sowed that we are always on the lookout for this kind of material. The evidences are all in favor of the rapid improvement of the region surrounding the extension. The Canton property is all being graded for building sites south of Eastern avenue, and we have graded their property for a long distance to the eastward in obtaining material for the extension. The improvements on Baltimore street and the district north of it are progressing rapidly, and in a few years the entire vicinity, now so bare of houses, will be built up. This rapidity of development has resulted from the purchase and improvement for a public park of that most unpromising and unsightly region, the valley of Harris Creek, which never would have been developed into anything sightly or attractive by private enterprise. This is evident from the fact that we have had to move into the valley of Harris Creek, principally from the heights towards Highlandtown, belonging to the Canton Company, the large amount of about 500,000 cubic yards of earth in developing the present surface of the extension, the fill, over three-fourths of its area, varying from 7 to 15 feet in depth. Every foot of surface on the extension is artificial and has been developed by pick and shovel.

SUNDRIES.

Electric Lights.—The electric lamp-poles having become, in most cases, thoroughly decayed, and the insulation of the lamps worn out, the old poles were replaced during June by the Standard Park poles with iron feet and a complete new outfit of lamps furnished by the Brush Company, since which the lights have been entirely satisfactory.

Storms.—Patterson Park suffered considerably from two

storms, one on September 19 and the other, well known, of September 29. The first was a rainstorm; the last, principally wind. Five large trees were destroyed outright and about 100 mutilated, more or less; and, as at Druid Hill, the roads and grounds were littered with debris.

Skating arrangements have been made to secure the enjoyment of the public as well as their safety. The old boat lake being very shallow, is quite safe. The new lake has been lowered four feet to secure the same end.

This subjects the revetment of the banks to damage from the frost, but it was thought best to avoid possible danger to the public. A broad boardwalk 358 feet long has been laid from the driveway to the new lake, across the terraces, to save the sod from destruction, as several thousand skaters use this lake daily in the season.

A new light iron footway gate was placed at Luzerne and Baltimore streets in July to replace the old wooden gate. This entrance was otherwise improved by the removal of the wooden steps and the substitution of an asphalt block walk, graded, to give easy access to the park level.

The anchoring of benches has been continued steadily and very few now remain loose. Much other work of every sort, including current repairs, has been executed during the year not necessary to detail here.

Arrests.

Total	18
Released on payment of fines.....	2
Released on payment of costs.....	4
Committed in default	7
Dismissed	5
	— 18

Total fines collected, \$15.

The inadequate amount of fines collected from these 18 arrests again shows the difficulty we have in inducing some of the police justices to lay park fines. Several of the above dismissals were serious cases.

FEDERAL HILL PARK.

(8.25 Acres).

In February a few surface slides occurred on the eastern and northern slopes, but they were not deep seated and were soon rectified with such precautions in the way of timbering as past experience has proved best. The total area affected was 384 square yards. We have been entirely

free, for some years past, from serious slides due to the driving of over 1,000 piles from time to time into the slopes most affected. Some settlements in the paved walks have occurred, and also a settlement of the pavement on Johnson street, due to a cave below; all these were promptly repaired. The two flights of steps on Hughes street, north front, and also the entrance landing, were entirely rebuilt and some improvements made in their size and arrangement. This completes the renewal of all the flights north, east and west, the only level entrance being on the south front. All other work has been routine—small current repairs to roads, walks, lawns and slopes, constant mowing of slopes, which is entirely scythe work, and many other matters.

The storm of September 29 was severally felt on Federal Hill, and five large window panes were blown in on the observatory, which rocked ominously under the pressure. No trees were actually blown down, but many were mutilated. This is one of the most frequented parks, as it overlooks the harbor and city, and is cool on summer evenings.

On October 4 the regular force was suspended and the park left in the charge of the one man who attends to it during the winter season.

No arrests during the year.

RIVERSIDE PARK.

(17.28 Acres).

The most important work executed during the past year was connecting the western front of the park with Johnston street, which was graded, paved and opened by the city about April. This involved much grading, sodding, fencing and tree planting. The grading was completed in July, when the special force employed was dismissed, and the balance of the work done by the regular park hands. The opening of Johnston street is a great benefit to the park and lessens its use as a mere thoroughfare to the B. & O. shops nearby. The picket fence, 1,075 feet long, had to be almost entirely renewed. As a number of large old poplars were destroyed in the regrading, they were replaced with Norway maples when the new crest-line was established.

During May the flag-pole, all fountains and the rolling stock were painted. The brick gutters have been extended 728 feet during the year at various points where needed, and 615 lineal feet have been relaid: 65 square yards of brick

pavement were laid on a steep walk connecting with the new grade of Johnston street and 99 square yards around the main pavilion. All other work has been routine, and in October the force was reduced to four men.

As Riverside and Federal Hill are not far apart and under the same Local Superintendent, we work them together, shifting men and horses from one to the other when necessary.

There has been considerable improvement on the north and east sides of Riverside Park during the past year. The land has been graded, streets opened, and two rows of houses built to the northward. The proximity of the B. & O. R. R. and unfavorable ground will prevent a rapid extension to the southward.

No arrests during the year.

JOHNSTON PARK.

(2.58 Acres).

During January, February and March all benches, fences, rails, lamp-posts and carrier poles were painted, and the walks, steps and pavements kept clear of snow.

With April the regular summer work began, and in May all beds and vases were planted. During September and October the western middle terrace walk was laid in asphalt block, 229 square yards, this leaves but one walk of about the same extent unpaved in the park.

The four carrier poles for the arc light wires having become decayed they were replaced with 4-inch iron pipe, which are much neater in appearance and of course are indestructible. The routine work has been faithfully kept up during the season. The summer flower beds were showy and attractive, and the public appreciation, to judge by the attendance, was all that could be desired. The laying of the sheet asphalt pavement and setting of the new kerb three years ago on Chase street injured very much the fine row of trees set on the sidewalk by the Park Department; we have this fall cut them back severely in the effort to revive them. The improved water-tight pavements, now in use, makes it almost impossible to grow street trees, as but little moisture reaches the roots; the only plan is to open as large a bed as possible in the sidewalk. In October 5 injured trees were replaced with new stock, also a few shrubs were set out and 3,000 tulips planted for spring flowering. During November all

hedges and trees were pruned and the lawns top dressed with stable manure.

Small as this park is, the arrests were numerous, as a number of rough characters at times congregate in the neighborhood. All arrests were for disorderly conduct.

Arrests	12
Fined.....	9
Released on payment of costs.....	2
Committed in default	1

It will be seen by this that we are better sustained than usual in this district.

MT. ROYAL TERRACES.

(2 Acres).

The early months of the year were spent in cleaning up the terraces preparatory to spring work—in cleaning the large amount of pavement on Mt. Royal avenue and in keeping the crossings in good condition. There was a considerable snowfall in March. In April all gaps in the hedges and beds were replanted and the shrubbery pruned. In May the flower beds were all planted, requiring 5,483 plants. Of these 600 came from Patterson Park and 4,883 from the Druid Hill Park propagating house. During the summer 333 square yards of sodding was laid to replace patches of dead grass, and a good deal of soil used in raising the level of the rose beds, which had settled badly. During October and November all beds were cleaned of summer growth and set in tulips for the spring; 5,000 bulbs were thus planted. The dense smoke and heavy gases from the engines, which frequently envelop the Eastern Terrace, have damaged the growth badly at that point, and only the most hardy plants will live. The other two terraces are comparatively free from this trouble, but suffer to some extent. The Mt. Royal Terraces have never been more carefully looked after nor looked better than during 1896. Some trouble in matter of plant stealing occurred in May, but night watching broke it up.

Arrests during the year, 2; both for stone throwing into the park *from the outside*; both fined \$1 and costs, \$2.45, the city fine, both parties arrested outside.

COLLINGTON PARK.

(5.14 Acres.)

January, February, March and a part of April were spent, with an average force of two men, including the Local Superintendent, in cleaning up the finished grounds, repairing settlements in the work of the previous season, breaking stone for use in the new paths, receiving and piling soil purchased in the vicinity, and in preparing for the summer work. On April 20 the force was increased to 8 men, with 1 cart, and work on the unfinished portion of the park resumed. This was continued steadily until the last of November, when the park being practically completed as to grading and sodding, the force was reduced to 3 men, who continued sodding as long as the weather permitted. In December all were discharged and the park left in the hands of the Local Superintendent.

The work of construction during the past season involved the shaping, sloping, soiling, sodding and seeding of the southeastern front of the park.

The following are some of the items of work done: Sodding, 3,664 square yards; terra cotta pipe laid, 254 lineal feet; brick inlets built, 6; soil received and distributed, 619 cubic yards; one flight steps built, southwest corner; fence built during year, 713 lineal feet. These items are in addition, of course, to the preparatory grading.

1,150 lineal feet of 8-foot footways have been made and filled in with broken stone, blinded with cinders, and prepared to receive a finishing coat of blue limestone screenings. In addition to this 600 feet more of footways have been cut out of the sod in the finished sections of the park, and the sod used on the new slopes.

The construction work remaining to be done is the completion of the system of footways, the construction of several short flights of steps, and making the gateways. The planting will go on gradually, and will take about one year to complete. The finished portion of the park was mowed, watered and cared for by one man detailed for that purpose. The lawns were manured before the winter began, and all dead trees replaced.

Arrests during the year 1, disorderly conduct: committed in default.

CARROLL PARK.

(35.77 Acres).

It will be well to take up the old park first containing 20 acres. Nothing has been done to the entrances or drive-ways during the past year except to keep them in repair, with the exception of 161 square yards of cobble laid in the main drive north of the mansion to secure a steep point from wash.

FOOTWAYS.

These were kept in thoroughly good order, and a few very steep sections secured from wash by brick paving to the extent of 195 square yards. An improvement was made where the main footway crosses the drive at the Monroe street entrance by bridging the deep gutter at that point.

Gravel fit for surfacing footways and drives is difficult to obtain in the vicinity of Carroll Park, and we save all that comes within reach.

DRAINAGE.

The drainage work during the year has consisted in relaying 2,350 lineal feet of brick gutter damaged by the frost of last winter, rebuilding 6 inlets and laying 162 lineal feet of drain pipe. The old park is thoroughly well drained, and provided with pipe lines either connecting with the Eagle street sewer or emptying into the extension.

BUILDINGS.

The mansion is in excellent order, and no repairs have been put upon it during the year.

In September a contract was made for the erection of a furnace with seven hot-air pipes, four leading to the first floor and three to the second.

The peculiar construction of the old cellar made it a little difficult of execution, but the fire was started in November. The dampness has now entirely disappeared from the house and the rooms are perfectly comfortable. By order of the committee a bathtub was put up in the kitchen wing of the mansion, which has added very much to the comfort of the family.

The floor of the pavilion had become unsafe from decay and was repaired during August. It will require a thorough overhauling before next season.

Some slight repairs were made to the propagating house,

including the raising of the chimney, and the floor of the stable was concreted.

FENCES.

In February a severe windstorm leveled 230 feet of the eastern fence. This is rather old and dilapidated, but we had better patch it up than rebuild, until Gunpowder street is graded, as in that event we would have to move it bodily to a new position. The hedge of California privet having grown sufficiently along the north side of the park next to the B. & O. R. R., the picket fence was removed as to rails and pickets for use on the extension and wire substituted, most of which was furnished by Patterson Park from the Baltimore street fence, lately taken down. As the cyclists had adopted a certain section of the main drive overlooking the extension as a resting place, we put up to this point 160 lineal feet of heavy guard-rail as a cycle rest, with the benches anchored in the same line. This has preserved the grass border.

GARDENING.

We have now at Carroll Park one propagating house 67x20 feet, built in 1894, and of hot bed sash 1,296 square feet. The number of plants on hand and propagated during the season was 32,500. The 27 summer beds and 13 vases were very successful and beautiful, although dryness in the early spring interfered with the proper development of certain species. There were set out in beds and vases 33,250 plants, a few more than were grown in the park. In addition to these, there were planted 225 perennials in the nursery, also 500 *Craetegus Pyracantha*, evergreen thorn, and 388 California Privet in hedges. The cactus bed was even better filled than usual and contained 850 specimens. There were some curious additions since last season, sent by the Cactus Society. To accommodate so many accessions another bed had to be added. We have now accumulated quite a stock of our own; the others are removed when cold weather comes by the owners. The great summer beauty of the old terraced garden at Carroll Park does not receive from visitors the attention it should, on account of the remoteness of the park and its inaccessibility. We have set out this autumn in the old park and extension 146 shade and ornamental trees, beside 106 evergreens and shrubs. 200 loads of horse and cow manure and 500 loads of street dirt have been spread on the lawns and

used as mulching for trees and shrubs. I may state that all vegetation, except in a few much exposed points, does well at Carroll, due to the situation in part, and in part to the method of planting practiced by the Local Superintendent. This has led to an effort to grow in this park a very large variety of trees and plants of rare sorts; the southern exposure and the rapid fall in the ground south of the mansion give all the protection needed for shy growers. As we had a very large supply of echeverias in many varieties, at the end of the season, several thousand were sent to Clifton, where they will be of great use in the summer of 1897.

SUNDRIES.

A new felt roof was laid on the stable, which is a temporary affair, but will last until the extension is taken in. Three tons of hay were made, and as we have but one horse, half of it was sent to Riverside. Twenty benches, made at Druid Hill Park, were received during the season, bringing the number in Carroll Park up to 120. The electric lights, 8 in number, have rendered good service. From November until about May 1 we have but 4 in use; the others are cut out.

We have had during the past season one city officer on duty every day from 1 P.M. until 10 P.M. This is a very satisfactory arrangement, and as the officer is a very excellent man, we have had but little trouble in keeping order.

EXTENSION.

Good progress has been made on the extension during the past year.

GRADING.

Rough dirt and ashes, 23,850 loads; soil for planting, 1,225 loads; street manure, 510 loads; filling purchased at 5 cents per load, 19,142 loads; soil and good sub-soil at 8 cents per load, 6,061 loads; street dirt from Street Cleaning Department, 1,200 loads; total material handled, 51,988 loads; deduct street manure used in old park, 510 loads; remaining on the extension, 51,478 loads. This at three-quarters of a yard per load will amount to 38,991 cubic yards.

Now of this amount, approximately, 10,000 cubic yards represent ashes removed from one part of the extension to another, and placed in deep holes to make way for better surface material; in other words, material redistributed by

our own hands. This deducted leaves 29,000 cubic yards in round numbers as the amount of foreign material placed in the extension during the past year, or from the acquisition of the extension to December 31, 1896, the approximate total of 150,000 cubic yards of foreign material, which will give some idea of the depths of the clay pits on these 15 acres of ground.

The surface of the extension is now up to grade in some places, and with the amount of material to be had, per annum, from outside sources seeking a dump, at low figures, we will in two years, probably, be able to finish up. During the past season, looking to the absolute need of fencing in the extension, a strip 20 feet wide extending clear around the extension was brought to finished grade and soiled; in this strip 15 feet from the fence line was planted the border line of trees, 64 in number.

FENCING.

It became evident last summer that we would have to fence in the extension, as it was becoming a thoroughfare for cattle, vehicles, etc.; it was also needed to protect the border tree planting. Hence in October it was begun and finished in November, it is 2,240 feet long and has three temporary gates by which carts can enter with material. A small amount of sodding was done in the extension at the border of the old park.

In response to the City Commissioner's Department, your honorable secretary directed a four-foot pavement laid along Columbia avenue, extending the length of the park frontage; this was completed December 22, inspected and accepted. This improves the means of access from the south.

ARRESTS.

Arrests during the year.....	12	•
Fined under park rules.....	3	
Fined under city law.....	5	
Committed.....	4	
	—	
Total.....	12	
Park fines collected, \$15.		

On October 24 the Colonial Dames of Maryland visited Carroll Park. 75 ladies and a number of gentlemen. They were shown over the mansion and the grounds and expressed themselves highly pleased with their visit. As this

is the only historic mansion we possess, I hope the Commission will feel justified during 1897 in ordering the *new wings erected*. When this is done I would suggest the setting aside of one room in the mansion as a museum for relics connected with the place and family. Quite a number of old coins have been found which are now in the city library, and other things might be added from time to time, such as portraits, etc.

CLIFTON PARK.

(25.29 Acres).

ENTRANCES.

Nothing has been done under this head except at the porter's lodge, main entrance, which will be described under the head of buildings.

DRIVEWAYS.

Nothing has been done except to keep the present roads and culverts in order, and to improve their drainage in certain cases, as will be shown further on.

DRAINAGE.

The most pressing item under this head was the closet drainage from the mansion, which entered a well on the margin of the ball ground. This well had no outlet, and when full the contents oozed through the slopes and appeared on the ball grounds. As there was a great concentration of old drains at this point leading into the branch to the north of the ball grounds, most of which were stopped up with roots and sand, a new line was started from the driveway with 351 feet of 8-inch terra cotta, thence 306 feet of 12-inch into an inlet, from which a 15-inch line lead into the branch. The closet well was opened, pumped out, tapped into the 8-inch pipe and covered with stone slabs, in place of the former decayed logs. This line of drainage involved 680 feet of piping, 4 open inlets, 3 blind wells and other fixtures, and has done its work satisfactorily.

One hundred and sixty-eight lineal feet of 6-inch pipe were laid north of the mansion to collect the road drainage and prevent wash; 104 lineal feet of 18-inch pipe was laid to connect the branch coming from the vicinity of the propagating house with the spring branch in the conservatory valley.

In the section south of the Belt Railroad the drainage

from the rear of the houses on the Belair road, including some slaughter houses, had made a deep cut into the park property on its way to Minebank run. This ravine was filled up and a trough two feet wide laid, which carried off the drainage and enabled us to build the boundary fence, previously impossible.

The entrance of Mine Bank run into the park property on Mine Bank lane was in very bad condition, the fence gone, and the stream cutting the bank away rapidly. A wall was built here on the park line which carries the fence, the bed of the stream paved and the side gutter properly secured to prevent further damage; all the work has stood well.

Other smaller items of drainage have been attended to, pipes cleaned, inlets built, etc., in several places. No care had been bestowed on these matters since the purchase of Clifton.

BUILDINGS.

The work of repairing and painting the mansion began in December, 1895, was finished in February, 1896, leaving the house in excellent condition as to its exterior. These repairs involved a large amount of carpenter work, exterior plastering, spouting, some brick work and painting.

On July 1 and 2 Mr. Fowler, lessee under the regime of the former owners, the Johns Hopkins University trustees, vacated the gardener's house and premises, and we took possession. The house was much out of repair, there being no cellar and the floor lower than the ground outside; it was very damp and much decayed, the paper hanging from the walls in places. Steps were at once taken to put it in order. Floors were relaid where needed, two new windows were opened upstairs, the walls were repapered in two rooms and the whole house was painted inside and out.

Mr. Talbot, who had been appointed gardener by the Commission, was ordered to report on July 13, and took possession. The house is now in good order, and as we have cut the terrace down 18 inches around it, it can be kept dry. In spring the foundation timbers of the kitchen wing will have to be replaced, being thoroughly rotten; this was only discovered when the terrace was reduced, too late for this year. The fact is, the house and the conservatory behind it were buried in the ground and every sill decayed.

As the stable had been destroyed with the barn, by fire, in December, 1896, it became necessary to provide a new one.

To this end, during August, the old tool shed was fitted up with stalls and a harness room, the roof made water tight, windows opened, and other matters arranged, so that now we have a very comfortable stable for 8 horses.

In September, the old greenhouses having been removed by Mr. Fowler, and the remaining temporary structure sold on behalf of the Public Park Commission and removed, the permanent greenhouse, 100 feet by 30 feet, with potting room, built by Mr. Hopkins on a brick base, was repaired. The entire wooden frame of the glass house had to be renewed, and many of the sash; new ventilators put in, a new boiler pit built, and a new boiler installed. The old piping remained, but has been adjusted and added to to increase the heating capacity. The whole establishment is now in excellent order and contains 23,000 plants.

In October the carpenters were transferred to the porter's lodge at main gate, where the old frame kitchen was rebuilt and other repairs made for its occupation by John Wright, one of our own men, who rents it and attends to the entrance gates.

From this work the carpenters were transferred to the conservatory early in November and have been busily employed there until its completion at this time, January 15, 1897. The same conditions existed here as elsewhere, absolute and almost entire decay. The house has been practically rebuilt and largely reglazed, the heating apparatus reset and piping added, a tank erected for a better water supply, to be pumped full by hand from the cistern. All roof drainage has been or will be lead into the cistern or tank direct. The only work remaining to be done to buildings at this date is reshingling the gardener's house and underpinning the kitchen, postponed until spring. Some repairs have been put on the Local Superintendent's house, including the papering of four rooms and painting the wood work; also the summer house overlooking Lake Clifton was nearly rebuilt, painted and furnished with benches. It will be seen from the above brief account how considerable have been the repairs to buildings, amounting in two cases almost to reconstruction. In all these repairs many changes have been made which are betterments in every respect to the buildings and which have added a trifle to the cost. All the old equipment of the old greenhouses was primitive, cumbersome and ill-made.

MASONRY.

The stone culvert, with a wooden floor, built to carry the branch which runs down the valley from the gardener's house, having partly fallen in and become ruinous, was rebuilt, in June, entirely of stone, and with a larger water way; parapet walls were added to make the crossing safe. This is an important point, as two roads meet on the bridge.

The entrance into the park property of Mine Bank run, as before stated, on the lane of the same name, was in bad condition, the fence gone and the banks undermined. We built a boundary wall, extended the old culvert, and paved the bed of the stream after filling in the washes; the fence was then securely built on the wall.

In addition to the above a number of small matters were attended to, such as inlets, head walls; etc.

FENCES.

The matter of fencing has been an important one in the year's work, the length of our boundary line being 17,325 feet, or 3.28 miles, and the condition of the fencing, when the Commission acquired the property, as bad as could well be. During 1895 we simply propped up the enclosures; during the past year we have been obliged to renew in several cases, and in others to add a certain amount of new material. The south fence, which involved a rectification of the boundary was entirely rebuilt, there being no fence in existence, except the nondescript enclosures along the backs of lots which trespassed on the park; this line required 2,120 feet of new fencing. The fence around St. Vincent's cemetery was also entirely renewed, 983 feet in length, the cost in this case was equally borne by the park and cemetery. We have also built an entirely new fence on the Harford road, between the main entrance and the toll-gate; this we built of locust posts and ribbon wire, it making a neat and durable enclosure, and is no obstruction to the view; it is 500 feet long. On the line of Mine Bank lane, with the consent of the Water Board, we moved their new interior fence out to our boundary line, where the old fence was practically gone; length 1,275 feet—materials, post and wire.

To sum up there were erected during the year: Of new picket fence 6 feet high, 3,103 lineal feet; of new post and wire, 1,775 lineal feet; of old fence rebuilt with new posts and rails, 816 lineal feet; of old fence partially rebuilt and

relined, 9,240 lineal feet; total renewed or repaired, 14,934 lineal feet; balance not needing repairs, 2,391 lineal feet; total boundary line, 17,325 lineal feet.

PAINTING.

Two park hands went to work in August on the painting, and have been kept busy ever since. The Local Superintendent's house has been painted inside, the gardener's house inside and out, the pavilion above the lake. The propagating house has been painted and entirely reglazed, and the conservatory is about being completed in the same way. The porter's lodge at the main gateway has also been thoroughly painted inside and outside as to all woodwork.

GARDENING.

On July 13 Mr. George Talbot was appointed gardener by the Commission, and immediately took charge. Some days were consumed in getting him established in the gardener's house, since which every branch of his work has been pushed with great vigor and success. The propagation of plants for next summer's use was carried on in the old conservatory pending the rebuilding of the old propagating house; this completed, the plants were removed into the propagating house and repairs began on the conservatory, all being at this time about completed. The repairs in both houses included the entire overhauling of the hot-water apparatus, cleaning it out, resetting the boiler and running additional pipe for more heating surface.

I found that all Mr. Talbot needed was the raw material; he put it in place and connected it up. Our ventilating machinery was also all made with the aid of a blacksmith. Considerable economy has resulted in this way, and the houses are now in excellent condition for results. The propagating house contains 2,300 bedding plants, and about 200 duplicates of valuable greenhouse stock have been contributed from Druid Hill and Patterson Parks.

Outside much has been done; the fine old greenhouse terrace, occupied for many years by Mr. Fowler's temporary structures, which he took away with him, has been entirely restored; this required a good deal of material, as the entire surface has been excavated for pits, cellars, etc. This terrace has been soiled, sodded and divided into beds for next season's planting. The large pear orchard has been culled

of dead and worthless trees, pruned and cultivated; the fig bushes have been covered with soil for the winter. A nursery has been plowed and prepared for the reception of young stock. The terrace around the gardener's house has been graded and the banks sodded. Numerous other matters have been attended to, and there is every promise that next season this department will be found in satisfactory condition.

I must state before closing the gardening department that the pear orchard produced 148 bushels, which were sold at 40 cents per bushel on the ground. The fig bushes produced 11 pecks; sold at \$1 per peck.

FARMING.

The farming operations, in which the Local Superintendent is thoroughly versed, have been actively carried on with excellent judgment, and the crops have been very good, with the exception of hay, which was light, due to very dry weather in April and May.

The arrangement of the crop was as follows: In rye, 22 acres; in oats, 6 acres; in corn, 32 acres; which yielded of rye, 328 bushels; oats, 227 bushels, and shelled corn, 1,340 bushels; estimated fodder crop, 50 tons; hay, 38 tons; a very good yield, especially of corn, which was 42 bushels per acre. The only portion of the crop sold was the rye, all other material has been fed to the park stock, of which we are wintering at Clifton, from Druid Hill, 17; Patterson Park, 1; Riverside, 1; Clifton, 7, or in all, 26. The arrangements for the care and protection of the stock are excellent, and the amount produced in the item of stable-yard manure will be valuable. Last season we realized 400 cart loads. Of course, it is impossible to estimate exactly the saving to the Department of Public Parks by farming the arable land at Clifton, but it is very considerable. The approximate saving in the feed bills at Druid Hill Park in 1895, the first year that park stock was sent to Clifton, over 1894, was \$400; the saving for 1896, over 1894, was apparently \$1,300. The crop, as laid out for 1897 is, in corn, 25 acres; oats, 12 acres; rye and timothy, 30 acres; the rye and timothy are in and up. Under the increased application of manure the land is coming up, and will be in good condition for red top and blue grass when it becomes necessary to turn it all into park. As stated in my monthly report for December, 1896, the actual cash received from rentals and sales at Clifton, added to a very moderate estimated value of the crop, makes the revenue for

1896, \$2,140.10; whilst from August 2, 1895, when we took possession, to December 31, 1896, it has been \$2,907.82.

SUNDRIES.

The storm of September 29 cost the park a number of trees, some sound, some decayed; 6 were torn up by the roots and 12 badly broken, with the usual amount of fallen rubbish.

We have corded most of this timber up, and have on hand about 35 cords of wood and 250 good chestnut posts, besides hickory for handles of all kinds. In 1895, it may be remembered, we cleaned out and reopened three old wells; they are brick lined, and contained, when last sounded, respectively, 12 feet, 20 feet and 21 feet of water; pumps can be put in when desired. I would recommend that one be so equipped for the following summer season; the other two wells are at present out of the way of visitors. The matter of public closets will probably come up this year; when constructed, they should be the standard dry park closet with movable metal boxes, of which we have many in use in other parks. Water closets are out of the question, as we have no sewer into which to turn them, nor will we have one for many years. We have at present a temporary closet for men, but none for women.

Should it be the wish and intention of the Commission to improve the grounds around the mansion and main entrances on the Harford road, I would state that detailed plans were worked out for this by order of the Commission and submitted last year. The improvement of this section of the park is entirely compatible with farming the clear land.

Clifton is so eminently fitted for a nursery through its extensive garden and pear orchard, which have been under cultivation and enrichment for many years, that it suggests itself as one of our best localities for the propagation and growing of young hardy stock in trees and shrubs.

The pears will gradually die out, and the figs also, unless great care is taken with them during the winters. There are comparatively few visitors as yet to Clifton, but they are slowly increasing, and many will be drawn to it when it becomes more developed. The main system of driveways in Clifton Park can be readily connected with the fine drive around Lake Montebello by means of a short tunnel under the Harford road, and Lake Montebello can be readily connected by a boulevard along Thirty-third street, Charles Street avenue, Thirtieth street, King street and Cedar ave

nue with Druid Hill Park. From Druid Hill Park, Fulton avenue leads to Carroll Park. The above route covers a straight drive from Carroll Park to the lake at Clifton of 9.67 miles without retracing a step. From Fulton avenue gate at Druid Hill Park to the lake at Clifton is 6.9 miles. This boulevard following, with one exception, the lines of streets already projected but not built, would only involve the widening of the same and laying them out as boulevards.

BOLTON PARK.

(3.34 Acres).

The work on this park has progressed languidly during the year, what has been done has been well done, but with great want of system; and spasmodically, resulting in the necessity of doing some of the work over again. If the railroad company had made a continuous effort, the parking could have been virtually finished before the season closed. The present condition is that the junction of the slopes with the north and south entrances is still unfinished and cannot be made until spring, otherwise the work may be said to be completed, excepting the dressing up of the northwest walk with blue stone siftings.

Before closing with the park, I would ask the Commission to name it officially. The railroad station is Mt. Royal, but we have Mt. Royal Terraces, and it seems that Bolton Park is the most fitting name.

Before closing this report, I give below the cost per acre of the various parks for 1895 and 1896:

	<i>Acres.</i>	1895.	1896.
Druid Hill Park	671.21	\$167 00	\$140 84
Patterson Park	106.00	308 00	369 03
Carroll Park	35.72	627 00	442 63
Clifton Park	252.90	.....	62 99
Federal Hill Park	8.25	320 00	222 69
Riverside Park	17.28	300 00	339 54
Collington Park	5.14	633 00	790 88
Johnston Park	2.58	815 00	845 73
Mt. Royal Terraces	2.00	759 00	769 02

Average cost per acre of all parks..... \$167 61 \$164 32

It gives me pleasure to testify to the faithfulness and goodwill shown during the past year by the Local Superintendents, and by my own immediate assistant.

Respectfully submitted.

C. H. LATROBE,

General Superintendent and Engineer.

PARK INVENTORIES.

DRUID HILL PARK.

Buildings.

Local Superintendent's dwelling,	13 picnic shelters,
Stone dwelling,	Sheep and mule shelters,
Mansion House,	Wagon shed,
Palm house,	Lumber shed,
Propagating house,	Camel stable,
Hatching house,	Barn,
Filtering house,	18 water closets,
Monkey house,	9 gate houses,
Maryland Building,	2 keeper's houses,
Office building,	Repair shop.

Park Furniture.

2,029 benches,	Furniture in office building.
155 stools and chairs,	

Stone Crushing Plant.

Engine house,	Horizontal engine,
1 upright boiler,	Inclined railway trestle,
1 stone crusher and screen.	Engine and fire tools and belting.

Live Stock.

12 horses.	17 mules.
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Southdown Flock.

158 sheep.

Show Animals.

2 macaws,	1 brant,
8 cockatoos,	3 swan,
5 parrots,	10 monkeys,
10 paroquets,	1 ant-bear,
15 mixed birds,	3 ferrets,
2 toucans,	2 wolves,
3 magpies,	6 raccoons,
1 pheasant,	4 rabbits,
9 pekin ducks,	1 badger,
4 wild geese,	3 sea lions,
11 prairie dogs,	3 Dorking chickens,
2 bears.	5 camels.

Rolling Stock.

11 watering wagons,	1 Jagger,
2 express wagons,	1 top buggy,
1 lumber wagon,	1 buggy without top,
21 dirt carts,	2 hay rakes,
1 watering cart,	1 steam roller,
1 dray,	1 one-horse roller,
3 snow plows,	2 two-horse rollers

Harness and Horse Furniture.

11 sets double harness,	10 curry combs and brushes,
3 sets single harness,	2 lap robes,
19 sets cart harness,	2 horse covers.

TOOLS AND EQUIPMENT.

Gardening.

15 shovels and spades,	11 forks, rakes, hoes, etc.,
16 hatchets, pruners, shears, etc.,	3 syringes,
2 two-horse mowers,	3 one-horse mowers,
6 fire irons,	200 feet of hose and reel,
1 lot hot-bed cloth,	33 miscellaneous articles.

Repair Shop.

1 set blacksmith tools,	1 tire bender,
1 set wheelwright tools,	1 tire shrinker,
1 set pipe tools,	1 forge,
1 drill press,	1 bellows.

Miscellaneous.

38 rakes and forks,	28 wheelbarrows,
81 picks and axes,	52 hoes and mattocks,
20 stone hammers,	62 shovels,
72 dippers,	104 sundries,
1 platform scale,	Park uniforms.

Materials.

18 feet band iron,	50 bars iron, $\frac{1}{4}$ -inch to $\frac{3}{4}$ -inch diam- eter,
1 lot of steel,	2,500 engineer's stakes,
800 feet (board measure) oak lumber,	1 electric light pole,
1,900 feet (board measure) Georgia pine lumber,	41 new benches,
400 feet (board measure) white pine lumber,	1,800 bench bolts,
235 fence posts,	4 sets cart rims,
230 fence stakes,	80 cords wood,
686 feet cast-iron pipe, 2-inch to 10- inch diameter,	441 feet terra cotta pipe, 4-inch to 24-inch diameter.

PATTERSON PARK.

Buildings.

Local Superintendent's house,	Stable,
Conservatory,	Boat house,
Propagating house,	Fountain pagoda,
Observatory,	Blacksmith shop,
Casino,	Tool house,
5 gate keepers' boxes,	Music pavilion,
Observatory keeper's box,	Water gate tower,
Carpenter shop,	5 shelters,
Ice house (stone),	Wagon and cart shed,
6 water closets,	Pump house.

Park Furniture.

1 set office furniture,	2 flags,
1 boat,	8 stoves.
1,000 benches,	

Live Stock.

4 horses.

Rolling Stock.

1 two-horse roller,	1 jagger,
1 one-horse roller,	4 hand rollers,
1 two-horse watering wagon,	3 carts,
1 one-horse watering wagon,	8 cars,
1 lumber wagon,	1 snow plow.
1 express wagon,	

Harness and Horse Furniture.

1 set carriage harness,	1 riding bridle,
1 set wagon harness,	1 riding saddle,
2 sets double harness,	4 horse's halters,
2 sets machine harness,	1 carriage whip,
2 sets cart harness,	4 horse blankets,
6 brushes and combs,	3 lap covers.

TOOLS AND EQUIPMENT.

Gardening.

1 Champion mower,	4 Pennsylvania horse lawn mowers,
4 hand lawn mowers,	1 hand truck,
10 wood and steel rakes,	4 shears,
21 spades, forks and hoes,	1 pruning saw,
4 sod cutters,	6 scythes and sickles,
1 reel and line,	6 scythe stones,
6 plows and cultivators,	650 feet hose and 2 carriages,
4 watering cans,	2 brass syringes.
4 fire irons,	

Repair Shop.

1 portable forge,	29 blacksmith's tools.
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Miscellaneous.

48 mattocks, picks, hoes, etc.,	1 platform scale,
41 shovels and shell forks,	3 sets blocks and falls,
70 sledges, crowbars, drills, etc.,	2 galvanized-iron pumps,
22 axes, saws, wrenches, etc.,	1 tape line,
12 sand screens and wooden rollers,	1 lot miscellaneous, as per list on file.
12 wheelbarrows,	

Materials.

37 lengths 6-inch and 18-inch terra cotta pipe,	20 park officer's uniforms,
6 quarter bends, 4-inch and 8-inch.	12 drain well grates,
1,000 paving brick,	33 barrels cement,
1 lot stone, lumber, pipe, etc.,	3 wrought-iron post feet,
4 steel frogs,	1 lamp post,
$\frac{1}{2}$ ton soft coal.	1 small lot iron.

FEDERAL HILL PARK.

Buildings.

Tool house,	Observatory and pavilion.
Out house,	

Park Furniture.

160 benches.	22 chairs.
1 desk,	

TOOLS AND EQUIPMENT.

Gardening.

1 horse lawn mower,	6 lengths hose and reel,
2 hand lawn mowers,	9 spades and hoes,
10 forks and rakes,	8 pruners and shears,
5 scythes and sickles,	1 watering can.
1 sodding line,	

Miscellaneous.

12 picks and mattocks,	22 hammers, drills, wrenches, etc.,
10 shovels,	1 tape line,
4 wheelbarrows,	1 United States flag,
15 chisels, hatchets, saws, etc.,	38 sundries as per list on file.

Materials.

12 bench legs,	100 pounds nails,
150 asphalt blocks,	14 chestnut posts,
50 pounds roof paint,	1 lot old lumber and irons for pile driver.

RIVERSIDE PARK.

Buildings.

2 pavilions,	Tool house,
Office buildings,	2 cart sheds,
Stable,	Wagon shed.
2 out houses,	

Park Furniture.

510 benches.	20 chairs,
1 United States flag,	1 desk.

Live Stock.

2 horses.

Rolling Stock.

Express wagon,	Horse roller,
2 carts,	Watering cart.

Harness and Horse Furniture.

2 sets cart harness,	2 oil covers,
1 set wagon harness,	4 curry combs and brushes.
2 horse blankets,	2 horse halters.

TOOLS AND EQUIPMENT.

Gardening.

2 horse lawn mowers,	16 spades, rakes, forks, etc.,
2 hand lawn mowers,	6 scythes and sickles,
9 pruners, shears and weeders,	3 sections hose and reel,
1 line and reel,	5 miscellaneous.

Miscellaneous.

25 shovels,	10 chisels, hatchets, saws, etc.,
7 mattocks and picks,	20 sundries.

Materials.

80 pounds 6-penny and 8-penny nails,	10 gallons linseed oil,
11 sections 15-inch terra cotta pipe,	25 pounds roof paint.

JOHNSTON PARK.

Buildings.

Keeper's box with tool box and fixtures.

Park Furniture.

117 benches.	1 United States flag.
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TOOLS AND EQUIPMENT.

Gardening.

4 sections of hose and reel,	5 pruners,
2 hand lawn mowers,	2 watering pots,
2 lawn sprinklers,	1 brass syringe,
4 scythes and sickles,	4 rakes.

Miscellaneous.

1 hand roller,	2 step ladders,
11 carpenter's tools,	9 hammers, chisels, etc.,
9 shovels and spades,	1 sand screen,
5 picks and mattocks,	1 paving rammer and plat,
1 grind stone,	16 sundries as per list.

Materials.

100 feet of 2-inch boards.	8 wire fences for flower beds,
175 asphalt blocks,	11 iron signs for rules.
200 old bricks,	

MT. ROYAL TERRACES.

Buildings.

Keeper's box,	Tool house.
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Park Furniture.

1 desk,	1 chair.
Gas stove,	

TOOLS AND EQUIPMENT.

Gardening.

4 spades and hoes,	3 hand lawn mowers, 2 extra blades.
8 forks and rakes,	5 sections of hose and reel,
13 shears, pruners, scythes, etc.,	1 garden line and reel,
1 brass syringe,	2 lawn sprinklers,
3 sod cutters, knives and rammer,	11 sundries as per list on file.

Miscellaneous.

6 shovels,	4 hatchets, files, saws, etc.,
1 pick,	2 wheelbarrows,
1 mattock,	3 valve keys,
4 brooms,	1 roller,
2 park badges.	16 sundries as per list.

Materials.

$\frac{1}{2}$ bag ground bone.	1 board,
1 barrel lock,	1 lot scrap iron.
7 pounds seed.	

COLLINGTON PARK.

Buildings.

Keeper's box.	Tool house.
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Park Furniture.

Chair.	Stove.
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TOOLS AND EQUIPMENT.

Gardening.

2 hand lawn mowers,	4 spades and rakes,
6 sections of hose and reel,	1 garden line and reel,
2 scythes and sickles,	3 nozzles and pliers.

Miscellaneous.

2 wheelbarrows,	3 saws, hatchets and axes,
12 picks,	6 sledge and stone hammers,
14 shovels,	1 hand roller,
1 tape line,	18 hammer and pick handles,
1 spirit level,	3 sundries as per list.

CARROLL PARK.

Buildings.

Mansion,	Propagating house,
Pavilion,	Tool house,
Stable and wagon shed,	4 closets.

Park Furniture.

140 benches,	1 United States flag,
20 chairs,	1 desk,
2 iron shoe scrapers,	2 stoves,
28 reflecting lamps and lanterns,	

Live Stock.

1 horse.

Rolling Stock.

1 wagon,	1 dirt cart,
1 watering cart,	1 large roller,
1 hand cart with barrel,	1 small roller.

Harness and Horse Furniture.

1 set cart harness,	2 horse blankets.
1 set wagon harness,	

CARROLL PARK.

TOOLS AND EQUIPMENT.

Gardening.

1 plow,	300 feet of hose and reel,
1 harrow,	8 pruners and sod knives,
1 horse lawn mower,	26 spades, hoes, rakes, etc.,
3 hand lawn mowers,	36 straw mats,
72 hot bed sash,	8 watering pots and sprinklers,
4 scythes and sickles,	12 sundries as per list.

Miscellaneous.

29 shovels,	1 scoop,
44 picks and mattocks,	8 wheelbarrows,
13 axes, saws, hatchets, etc.,	2 handbarrows,
7 hammers and pinch bars,	4 wooden rollers,
3 step-ladders,	200 feet of rope,
1 grindstone,	11 oil cans and buckets,
1 50-foot tape line,	1 gravel screen,
80 feet of 12-inch wire border guard,	34 sundries as per list.

Materials.

$\frac{3}{4}$ keg nails,	60 sections terra cotta pipe,
1 gallon paint,	600 paving brick,
30 cast-iron border guards,	$1\frac{1}{2}$ barrels lime,
8 iron grates,	$\frac{1}{2}$ barrel cement,
1,600 feet lumber,	

CLIFTON PARK.

Buildings.

Mansion,	Repair shop,
Local Superintendent's house,	Stable,
Gardener's cottage,	2 hay and straw sheds,
2 dwellings,	Corn crib,
Porter's lodge,	Ice house,
Conservatory,	1 temporary public closet.
Propagating house,	

Park Furniture.

24 stools,	26 standard benches.
18 benches,	

Live Stock.

7 horses.

Rolling Stock.

2 four-horse wagons,	1 watering cart,
1 dayton wagon,	1 one-horse roller,
2 carts,	1 two-horse roller.

Harness and Horse Furniture.

2 sets double harness,	7 leather halters,
2 sets carriage harness,	6 curry combs and brushes,
2 sets cart harness,	1 wagon saddle,
3 sets plow harness,	1 cirsingle,
2 leather plow lines,	2 breast chains,
2 pairs cart hames,	12 collars and pads,
7 bridles,	1 wagon whip.
1 horse blanket,	

TOOLS AND EQUIPMENT.

Farming.

1 three-horse plow,	3 double shovel plows,
1 two-horse plow,	1 single shovel plow,
2 harrows,	1 corn coverer,
2 sets double and single trees,	3 cultivators,
4 single trees,	2 mowing machines.
1 grain rake,	

Gardening.

1 horse lawn mower,	6 spades and hoes,
2 hand lawn mowers,	5 pruners,
8 scythes and sickles,	1 garden line and reel,
20 forks and rakes,	1 rubber sprinkler,
2 watering cans,	12 sundries as per list.

Repair Shop.

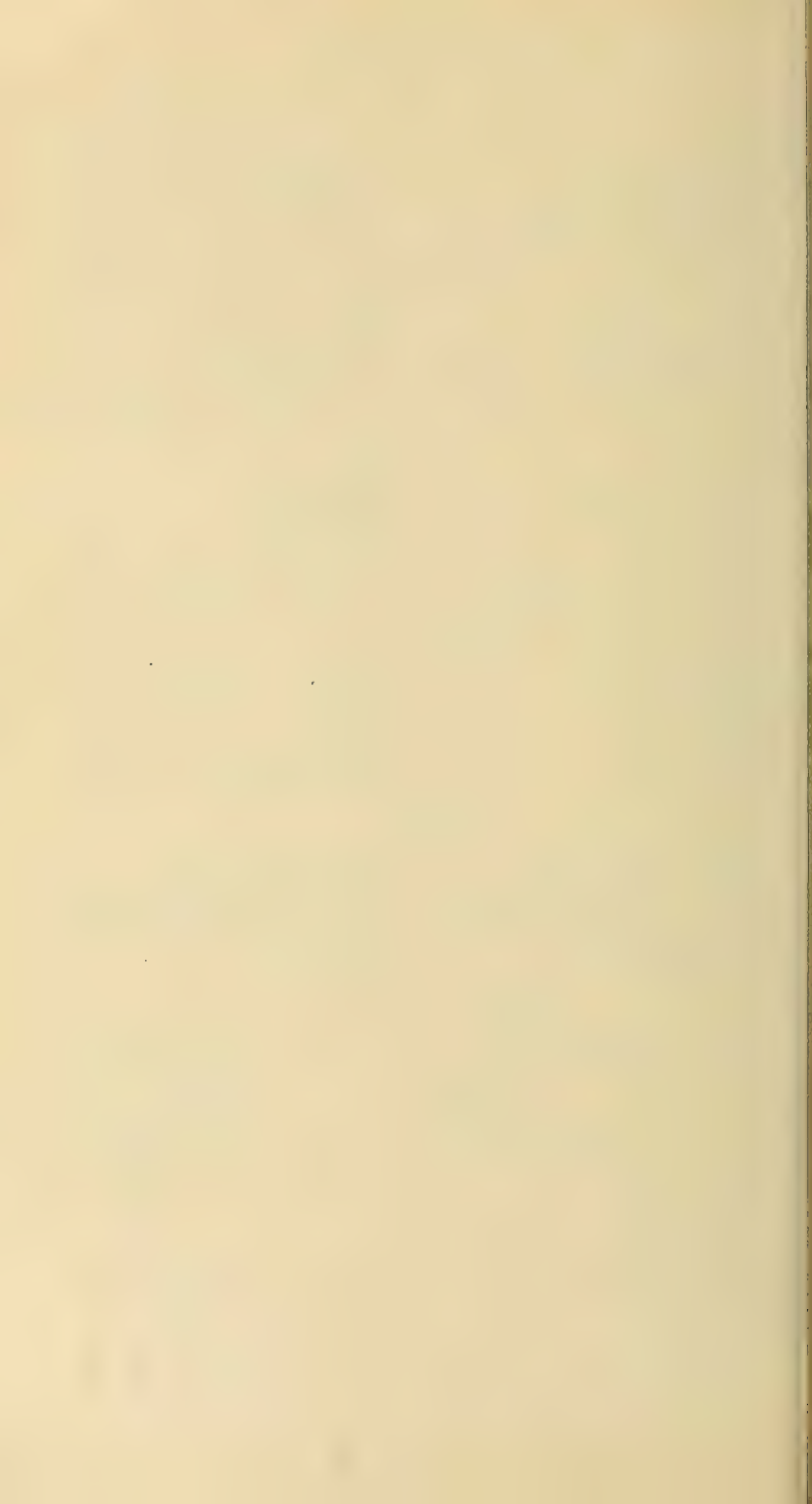
1 vice,	16 axes,
1 draw knife,	3 monkey wrenches,
1 brace with 13 bits,	3 hammers,
2 augers,	3 trowels,
8 caulking tools,	9 cold chisels and points,
4 pair pipe tongs and pincers,	19 sundries as per list.

Miscellaneous.

16 picks and mattocks,	4 pumps,
12 shovels,	8 mallets and wedges,
9 wheelbarrows,	2 crowbars,
2 grindstones,	1 cross-cut saw,
7 buckets, etc.,	7 brooms,
200-foot rope,	50 2-bushel bags,
2 tape lines,	26 sundries as per list.

Materials.

5 drain well grates,	40 old fence posts,
64 sections terra cotta pipe,	250 new chestnut posts,
2 barrels Portland cement,	450 new locust posts,
4 barrels F. O. Norton cement,	40 feet 3-inch galvanized iron pipe,
80 barrels corn,	10 tons hay,
20 tons fodder,	8 tons rye straw.



REPORT OF THE TREASURER.

DRUID HILL PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1896.

Pay-roll	\$58,886	44
Plumbing	749	98
Carpentry	81	81
Sand and gravel	84	10
Trees, shrubs and plants	468	29
Roofing and spouting	118	33
Cement	331	00
Bricklaying, etc.	2,262	64
Coal	1,141	50
Lumber	1,427	43
Masonry	1,294	42
Electric lighting	7,738	20
Tools and hardware	516	85
Gas lighting	238	76
Horseshoeing	389	50
Harness and repairs	157	80
Rubber goods	79	27
Drain-pipe	169	00
Wagons, carts and repairs	549	25
Stove and iron work	380	03
Cart hire, etc.	1,069	48
Iron castings	292	10
Fertilizers	1,474	00
Office expenses	2,546	04
Brick, stone, etc.	2,998	15
Horse feed	2,133	64
Paints and painting	553	72
Uniforms	375	22
Food for show animals	1,137	33
Park machinery and repairs	1,954	79
Miscellaneous	2,937	34
	\$94,536	41

PATTERSON PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1896.

Pay-roll.....	\$30,900 39
Plumbing.....	198 55
Stove and iron work.....	269 75
Drain-pipe.....	11 90
Uniforms.....	199 70
Harness and repairs.....	14 25
Park machinery and repairs.....	15 40
Coal.....	636 17
Horse feed.....	193 55
Fertilizers.....	20 50
Masonry.....	9 00
Stone, brick, etc.....	1,176 38
Electric lighting.....	2,185 97
Iron castings.....	35 36
Rubber goods.....	31 38
Lumber.....	702 25
Office expenses.....	680 10
Paints and painting.....	599 13
Horseshoeing.....	55 50
Tools and hardware.....	183 84
Gas lighting.....	229 86
Trees, shrubs and plants.....	156 96
Wagons, carts and repairs.....	120 38
Cement.....	97 75
Miscellaneous.....	393 75
	<hr/>
	\$39,117 77

CLIFTON PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1896.

Pay-roll.....	\$8,520 57
Wagon, cart and repairs.....	193 00
Tools and hardware.....	355 64
Roofing.....	285 94
Horse feed.....	177 35
Lumber.....	1,731 21
Paints and painting.....	1,129 71
Coal.....	318 47
Fertilizers.....	415 10
Cement.....	96 70
Terra cotta pipe.....	99 76
Plumbing.....	469 53
Castings.....	62 56
Harness and repairs.....	128 25
Blacksmith work.....	49 50
Furnace and stove work.....	321 85
Stone.....	382 76
Machinery and repairs.....	113 35
Masonry and brick work.....	378 49
Plants and flower pots.....	237 23
Horses.....	210 00
Uniforms.....	12 48
Miscellaneous.....	190 32
	<hr/>
	\$15,879 77

CARROLL PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1896.

Pay-roll.....	\$10,663 97
Coal.....	160 95
Fertilizers.....	127 00
Filling material.....	2,288 66
Cart, harness and repairs.....	123 15
Electric lighting.....	668 94
Tools, implements and hardware.....	251 96
Horse feed.....	131 06
Paints and oils.....	45 83
Lumber.....	458 29
Plants.....	344 11
Flower pots.....	54 60
Top soil.....	135 00
Plumbing.....	51 81
T. C. pipe.....	4 41
Wire work.....	20 00
Uniforms.....	9 00
Brick, cement and sand.....	140 75
Castings.....	18 73
Rubber hose.....	22 50
Miscellaneous.....	90 11
	<hr/>
	\$15,810 83

RIVERSIDE PARK.

DISBURSEMENTS--YEAR ENDING DECEMBER 31, 1896.

Pay-roll.....	\$5,096 09
Lumber.....	172 67
Insurance.....	25 00
Coal.....	24 05
Plants.....	4 25
Tools and hardware.....	123 34
Repairs to flag.....	4 50
Fertilizers.....	6 75
Horse feed.....	82 96
Horseshoeing.....	15 75
Plumbing.....	8 51
Paints and oils.....	41 88
Castings.....	24 91
Brick and cement.....	156 85
Repairs to cart.....	18 55
Rubber hose.....	37 50
	<hr/>
	\$5,843 56

FEDERAL HILL PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1896.

Pay-roll.....	\$1,562 09
Coal.....	10 65
Plants.....	14 90
Rubber hose.....	12 50
Cement.....	9 60
Tools and hardware.....	40 35
Fertilizers.....	12 50
Plumbing.....	9 74
Paints.....	3 44
Brick.....	26 00
Lumber.....	126 58
	<hr/>
	\$1,828 35

COLLINGTON PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1896.

Pay-roll.....	\$3,490 45
Lumber.....	125 75
Top soil and sod.....	349 62
Coal.....	3 15
Tools and hardware.....	48 76
Fertilizers.....	38 75
Blasting powder.....	15 50
Grass seed.....	13 35
Stove work.....	9 95
Signs.....	28 80
Carpentry.....	29 18
Brick and cement.....	22 60
	<hr/>
	\$4,175 86

JOHNSTON PARK.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1896.

Pay-roll.....	\$1,670 57
Lumber.....	8 43
Plants.....	9 90
Cement.....	11 75
Top soil.....	6 00
Tools and hardware.....	21 04
Repairs to flag.....	1 50
Paints and painting.....	47 50
Fertilizers.....	49 65
Asphalt blocks.....	297 00
Stove work.....	8 50
Masonry and sand.....	42 40
Coal.....	7 75
	<hr/>
	\$2,181 99

MT. ROYAL TERRACES.

DISBURSEMENTS—YEAR ENDING DECEMBER 31, 1896.

Pay-roll.....	\$1,329 54
Plumbing.....	10 28
Plants.....	108 93
Tools and hardware.....	29 58
Fertilizers.....	46 90
Paints.....	2 31
Rubber hose.....	10 50
	<hr/>
	\$1,538 04

PATTERSON PARK EXTENSION.

STATEMENT—YEAR ENDING DECEMBER 31, 1896.

Balance due Park Board, January 1, 1896..... \$509 81

Disbursements.

Terra cotta pipe.....	\$ 91 16
Crushed stone.....	317 47
	<hr/>
	408 63
	<hr/>
Balance.....	\$101 18

GENERAL STATEMENT.

YEAR ENDING DECEMBER 31, 1896.

Receipts.

Balance due Park Board January 1, 1896.....	\$ 4,703 47
Baltimore City Passenger Railway Company.....	92,272 30
Baltimore Traction Company.....	79,622 25
City and Suburban Railway Company.....	58,022 83
Central Railway Company.....	13,979 51
Rentals, Druid Hill Park.....	1,633 37
Sales of Sheep, Druid Hill Park.....	161 75
Sales of wood, Druid Hill Park.....	144 00
Sales of wool, Druid Hill Park.....	77 62
Privilege of fish propagation, Druid Hill Park.....	300 00
Sale of horses, Druid Hill Park.....	75 00
Sale of Collie dog, Druid Hill Park.....	10 00
Purchase of sea lions, Druid Hill Park.....	63 36
Boating privilege, Druid Hill Park.....	50 00
Sale of manure, Druid Hill Park.....	12 00
Fines, Druid Hill Park.....	150 00
Rent of casino, Patterson Park.....	50 00
Gas consumed at casino, Patterson Park.....	5 00
Fines, Patterson Park.....	15 00
Rentals, Clifton Park.....	338 50
Sales of material, Clifton Park.....	232 85
Insurance on barn, Clifton Park.....	1,855 20
Erecting fence, Clifton Park.....	111 35
Sale of wood, Clifton Park.....	14 00
Labor, Carroll Park.....	16 70
Fines, Carroll Park.....	15 00
Rent of Observatory, Federal Hill Park.....	150 00
Saloon privilege, Federal Hill Park.....	5 00
Fines at squares.....	20 00
Sale of material, Fulton avenues squares.....	1 00

 \$254,107 06

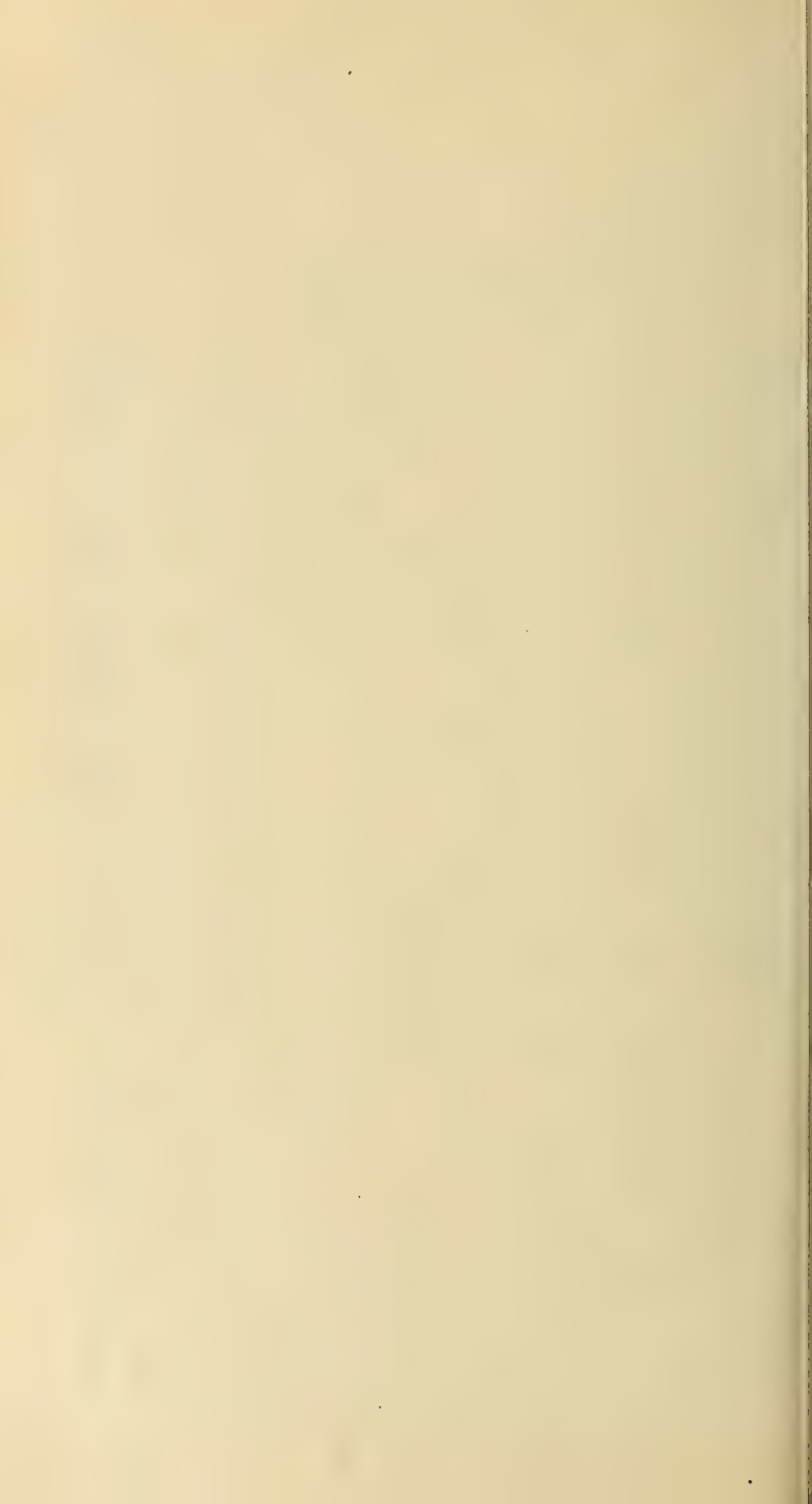
Disbursements.

Interest on Patterson Park extension and Clifton Park loans...	\$33,287	50
Sinking fund.....	12,143	56
Druid Hill Park.....	94,536	41
Patterson Park.....	39,117	77
Clifton Park.....	15,879	77
Carroll Park.....	15,810	83
Riverside Park.....	5,843	56
Federal Hill Park.....	1,828	35
Collington Park.....	4,175	86
Johnston Park.....	2,181	99
Mt. Royal Terraces.....	1,538	04
Ashland Square.....	72	20
Broadway Squares—first division.....	1,932	55
Broadway Squares—second division.....	1,592	22
Broadway Squares—third division.....	1,738	20
Eastern fountain.....	825	08
Eutaw Squares—first division.....	1,588	76
Eutaw Squares—second division.....	1,749	47
Franklin Square.....	1,126	44
Fulton Avenue Squares and Baker Circle.....	1,923	68
Harlem Park.....	2,495	41
Jackson Squares.....	867	34
Lafayette Square.....	1,484	68
Madison Square.....	1,312	82
Mt. Royal Squares.....	519	05
Park Place Squares.....	623	46
Perkins Spring Square.....	1,500	00
Taney Place Squares.....	235	36
Union Square.....	985	38
Wilkens Avenue Squares.....	1,737	72
Balance.....	3,453	60

 \$254,107 06

Respectfully submitted.

D. RAYHICE, *Treasurer.*



ANNUAL REPORT

— OF THE —

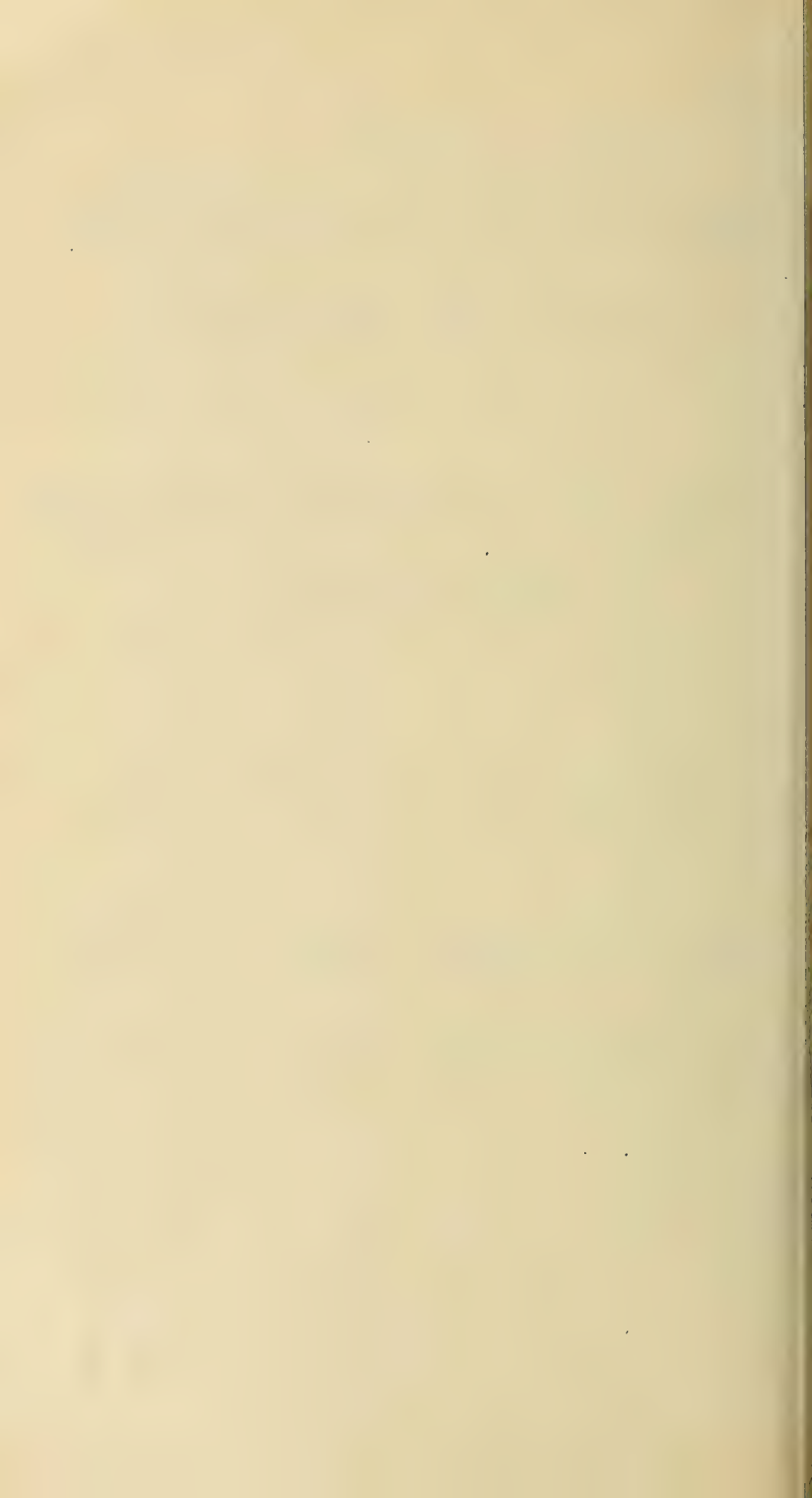
Board of Visitors of the Jail of Baltimore City

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

FISCAL YEAR ENDING DECEMBER 31st, 1896.



Officers of the Baltimore City Jail.

1896.

BOARD OF VISITORS:

Hon. ALCAEUS HOOPER, *Ex-officio*.

BENJAMIN F. BENNETT, *Pres.* JOHN M. STEWART, *Sec'y.*

MRS. EDWARD A. ROBINSON.

FRANK C. WACHTER.

EDWARD C. HARDING.

JAMES O. BATES.

WARDEN:

JOHN R. BAILEY.

PHYSICIAN:

JAMES C. CLARKE, M.D.

CLERK:

EMANUEL PREISS.

STANDING COMMITTEES:

DISCIPLINE.

MRS. EDWARD A. ROBINSON, *Chairman*.

EDWARD C. HARDING.

JAMES O. BATES.

FINANCE.

JAMES O. BATES, *Chairman*.

JOHN M. STEWART.

FRANK C. WACHTER.

SUPPLIES.

EDWARD C. HARDING, *Chairman*.

JAMES O. BATES.

JOHN M. STEWART.

MRS. EDWARD A. ROBINSON.

REPAIRS.

FRANK C. WACHTER, *Chairman*.

EDWARD C. HARDING.

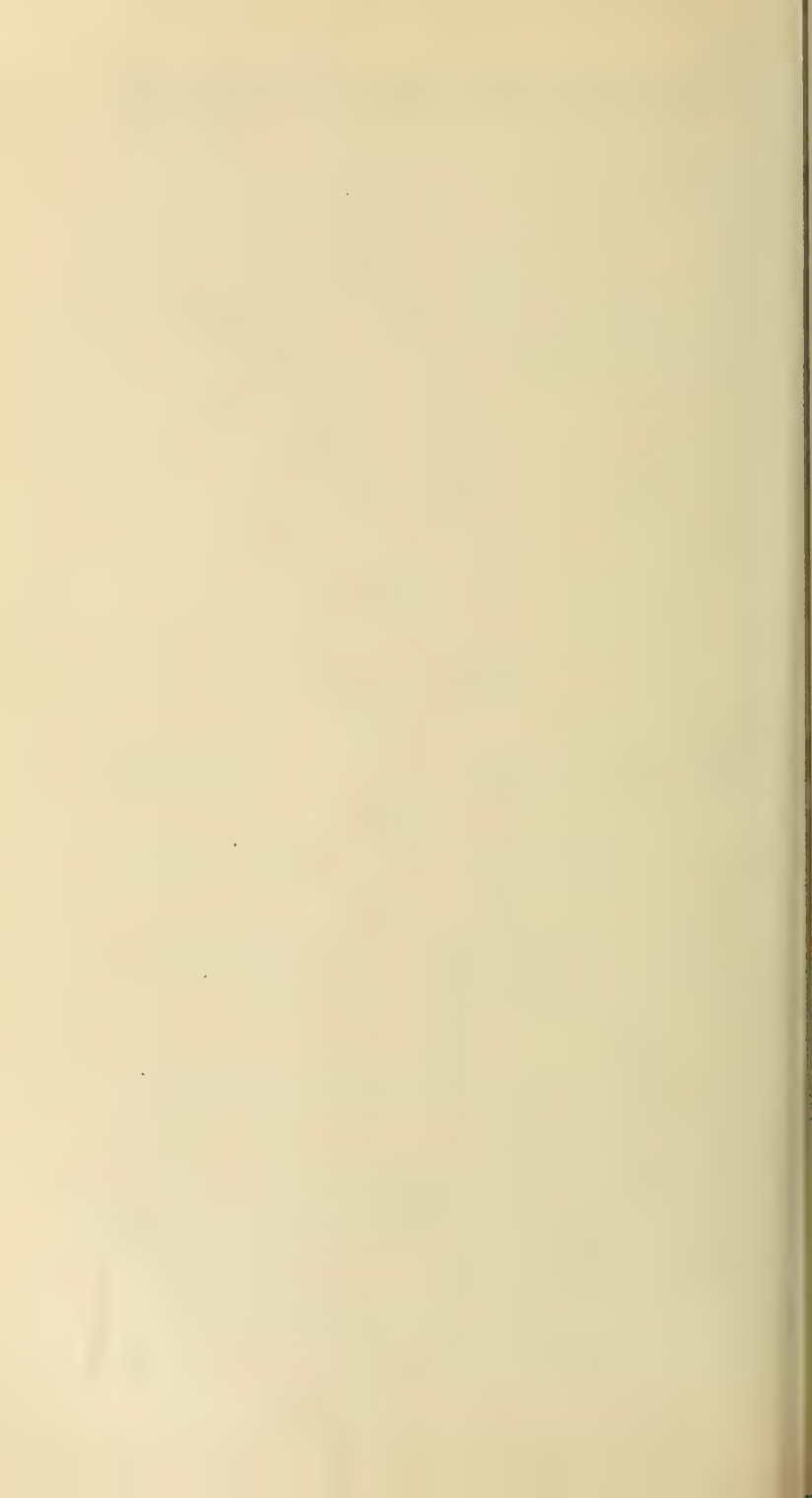
BENJAMIN F. BENNETT.

SANITARY.

JOHN M. STEWART, *Chairman*.

FRANK C. WACHTER.

MRS. EDWARD A. ROBINSON.



REPORT.

BALTIMORE CITY JAIL, January 1, 1897.

To the Honorable the Mayor and City Council of Baltimore:

GENTLEMEN: The Board of Visitors to the Baltimore City Jail has the honor of submitting herewith our report of the management of the institution during the year ending December 31, 1896.

The Warden, Mr. John R. Bailey, in a very able and comprehensive report, to which we would first direct your attention, has set forth in detail, in the form of Exhibits A, B, C and D, the average yearly, monthly and daily number of prisoners confined in the institution, the total number committed, with the nature of their offenses as charged, the final disposition of the prisoners, and the finances as set forth in Exhibit D. We would call your attention to the statement of cash receipts, as shown in Exhibit D, as this amount, seven thousand and fifty-four dollars and forty-eight cents (\$7,054.48), while an earning of the Jail, is not credited to it.

The appropriation by the Mayor and City Council for the maintenance of the institution for 1896 was fifty-two thousand dollars (\$52,000). Of this amount there was expended fifty thousand six hundred and twenty dollars and thirty-nine cents (\$50,620.39). Unexpended balance in hands of Comptroller, thirteen hundred and seventy-nine dollars and sixty-one cents (\$1,379.61). We respectfully suggest to your honorable body the appropriation of fifty-five thousand dollars (\$55,000), as we estimate this amount will be necessary to meet the expenditures of the current year. It gives great pleasure to the Board to refer in the most complimentary terms to the services and management of Mr. John R. Bailey, the Warden, who has taken unusual pains for the comfort and welfare of those committed to his care, so far as it has been in his power to do so; of Dr. James C. Clarke, the physician, who has been faithful in his daily attendance to the sick, and the successful treatment of those under his

charge, is abundant guarantee of his unremitting attention, and the clerk, Mr. Emanuel Preiss, the result of whose labors the accounts have been well taken care of; all of which is commendable in a high degree. The Board respectfully urges upon your notice the recommendation embodied in the Warden's report, as to the need of a separate building for the confinement of youthful offenders. This question has been the subject of much discussion and thought by the Board, and while we deplore the necessity for such a building, conditions require it, as the Warden ably sets forth in his annexed letter. It is to be hoped that some decisive action will be taken by your honorable body on this question. We think the Jail is at present in a very excellent condition, the premises during the year having been thoroughly painted and kalsomined, the sewerage system remodeled, a new boiler for heating the Warden's house erected, and a great many repairs made; and the buildings invite the inspection and criticism of those interested in its management. While these several improvements have been made for the comfort and health of the prisoners, we would call your attention to the recommendation of the Warden in regard to the reconstruction of the heating apparatus.

Respectfully submitted,

BENJ. F. BENNETT, *Pres't*,
JOHN M. STEWART, *Sec'y*,
MRS. EDW. A. ROBINSON,
FRANK C. WACHTER,
EDWARD C. HARDING,
JAMES O. BATES,

*Members
of the
Board of Visitors.*

REPORT OF THE WARDEN.

BALTIMORE, December 31, 1896.

To the Honorable Board of Visitors of the Baltimore City Jail:

GENTLEMEN: I have the honor to submit herewith my annual report of the operations of the Jail for the year ending December 31, 1896. The number of prisoners committed for the action of the Criminal Court of Baltimore City and the Federal Court, was three thousand one hundred and thirty-five (3,135). The number of peace cases was six thousand five hundred and ninety-two (6,592). Total for the year, nine thousand seven hundred and twenty-seven (9,727). The daily average of prisoners in Jail for the year was five hundred and thirty-two (532), an increase over that of 1895 of thirty-five (35).

This increase over that of the past year may be attributed to the fact that in former years all prisoners were released one day earlier than the actual expiration of their time. The resources still due to the credit of the Jail are as follows:

Chas. S. Beebe, Sept., Oct., Nov. and Dec. Accts...	\$1,802 26
Calvert County	79 59
St. Mary's County	3 00
Baltimore County	110 50
Prince George's County	129 00
Anne Arundel County	9 10
Somerset County	6 00
Frederick County	75 00
United States Marshal	353 40

Total..... \$2,568 35

I am pleased to report that as a whole the health of the prisoners has been excellent, Dr. James C. Clarke, our physician, having attended carefully to their wants in his department, and the results have been most gratifying. I beg leave

to submit for your consideration the following estimates for the fiscal year now commencing:

Salaries of officers	\$28,000
Subsistence of prisoners	12,000
Hospital subsistence	1,500
Fuel and light	5,000
Incidental expense account	2,000
Sanitary department	750
Clothing and dry goods	2,000
Machinery and repairs	3,250
Hospital department.....	500

Total \$55,000

I have maintained the full complement of men at work in the shop on the contract between Mr. Charles S. Beebe and the Board of Visitors. The remainder of the sentenced prisoners are used for the general repair work and cleaning of the institution, and in this connection it may be well to state that, in a number of cases where work has been done, such use of the prisoners has effected a material saving to the city; notably in the case of the placing of electric lights in the cells on section two, where there was a saving of about three hundred dollars (\$300). Following is a list of the work done in the Annex by the female inmates, under the supervision of the Matron, Mrs. Florence Reed, which list shows that a great deal of necessary work has been performed by them, and is conducive to the cleanliness of the prisoners, and consequently to their sanitary welfare:

Number of pieces washed.....	100,336
Number of overalls made.....	800
Number of shirts made	998
Number of towels made.....	310
Number of bed sheets made.....	500
Number of pillow cases made.....	585
Number of quilts made	100
Number of bed ticks made ...	200
Number of pillow ticks made	100
Number of dresses made	103
Number of miscellaneous articles made ...	225

Total number pieces handled 104,257

The confinement of youths in association with adult criminals, of all grades of moral iniquity, exercises a most pernicious effect on them, not at all in keeping with the purpose to be had in view by the managers of a penal institution, which, while meting out punishment befitting their crimes, should, where not inconsistent with the main end of imprisonment, ward off all influences calculated to further degrade the prisoner, if it does not seek to surround him with influences of a reformatory character. I would therefore recommend the construction of an annex for the confinement of boy prisoners, which should at the same time provide accommodation for witnesses, who, not being charged with any offense, should nor suffer the mortification of being placed in the society of criminals. The present heating plant of the Jail fails to heat the building satisfactorily, while at the same time it is of such a character as to induce a waste of fuel, which might be saved if the proper remedy was applied. I would therefore recommend the entire reconstruction of the plant in the main building, whereby the corridors might be uniformly heated at a saving of fuel.

The restricted jurisdiction of police magistrates in dealing with offences of a minor character, such as assaults, carrying concealed weapons, petty larcenies and the like, has led to the occupation of the court side of the Jail by persons awaiting trial, who, in many instances, are thus made to suffer imprisonment for a period of four or five months in cases in which sentences of thirty, sixty or ninety days are finally imposed, and which in itself would have been ample punishment. Great injustice is thus inflicted. This of course cannot be obviated under the present system. A police court, with summary jurisdiction in the cases referred to, such as are in vogue in many other large cities, would tend in the direction of the speedy trial and the prompt disposal of these cases. A notable improvement in the lighting of the Jail has been made. The arc lights formerly in use throughout the building, which at times would splutter and be often extinguished altogether, have been removed, and in their place incandescent lights introduced; these have also been recently placed in the cells on the sentence side. This, while increasing the comfort of the prisoners, insures a constant light under control of the wardens and keepers, a very important matter in an institution of this kind. One of the most important sanitary measures introduced into the City Jail during the year is the new needle bath. Four of these have been placed on

the court side, and have been in operation for some months. This new bath dispenses with the old bath tubs in which all classes were bathed, and which were seriously objectionable on account of possible pollution and contagion. The new bath is entirely satisfactory, in that it cleanses the prisoners thoroughly, and it is so delightful in its action that the men bathe much more freely, many of them regarding it a luxury. I recommend that a sufficient amount be appropriated to put needle baths in all sections of the institution. I refer with pleasure to the excellent work done in this institution under the auspices of the Maryland Prisoners' Aid Association. They provide the Sunday services, which in rotation are conducted by the Rev. Louis F. Zinkham, Chaplain; by the Rev. E. D. Boone, of the Roman Catholic Church; Rev. Dr. George A. Leakin, of the Protestant Episcopal Church; the ladies of the W. C. T. U., and the Local Preachers' Association. The prison Sunday schools are under the direction of Mr. Robert Haslett and Mr. Carter, and the Sisters of St. Joseph. They are assisted by a number of co-workers. Mr. Zinkham visits the Jail frequently during the week to investigate special cases, and to afford such practical assistance as circumstances warrant. He also furnishes good reading matter, and in many cases gives material help to those who are discharged. The purposes of this society are noble and far reaching, and their work is well done. I am glad to be able to speak in commendation of the faithful discharge of duty of the officers under me, and tender my thanks to the gentlemen composing the Board for the many kindnesses and courtesies which have been shown me by them during the year.

Respectfully submitted,

JOHN R. BAILEY, *Warden.*

EXHIBITS A, B, C, D.

EXHIBIT A.

SHOWING THE MONTHLY OR DAILY AVERAGE OF PRISONERS
FROM JANUARY 1 TO DECEMBER 31, 1896.

January.....	531
February.....	530
March.....	550
April.....	558
May.....	529
June.....	529
July.....	521
August.....	566
September.....	533
October.....	495
November.....	505
December.....	541
<hr/>	
Total.....	6,388
<hr/>	
Daily Average for 1896.....	532
Daily Average for 1895.....	497
Daily Average for 1894.....	538
Daily Average for 1893.....	496
Daily Average for 1892.....	467
Daily Average for 1891.....	497

Highest number in Jail during 1896 was 639 on 28th of December.
Lowest number in Jail during 1896 was 451 on 24th of October.

EXHIBIT B.

SHOWING THE NUMBER OF PRISONERS COMMITTED FOR VARIOUS CAUSES
DURING THE YEAR ENDING DECEMBER 31, 1896.

	WHITE.			COLORED.			Grand Total.
	Men.	Women.	Total.	Men.	Women.	Total.	
Peace and drunkenness..	3,536	424	3,960	1,930	598	2,528	6,488
Larceny	700	49	749	549	146	695	1,444
Assault and battery. ...	148	4	152	137	15	152	304
Assault, intent to kill ...	77	4	81	82	16	98	179
False pretences	66	.....	66	27	3	30	96
Burglaries	124	2	126	69	3	72	198
Embezzling	27	.....	27	11	.....	11	38
Forgery	12	.....	12	.....	.....	.....	12
Writing and selling poli- cies ..	8	.....	8	14	1	15	23
Conspiracy	5	.....	5	.....	.....	.....	5
Violating pension laws..	4	.....	4	.....	.....	.....	4
Violating internal reve- nue laws	1	.....	1	.....	.....	.....	1
Selling liquor without license	6	.....	6	3	.....	3	9
Deserting wife	18	.....	18	8	.....	8	26
Perjury	10	.....	10	.....	.....	.....	10
Bigamy	7	1	8	3	1	4	12
Common thief, etc.	5	.....	5	.....	.....	.....	5
Keeping gaming house ..	2	.....	2	4	.....	4	6
Witnesses, State and United States	22	.....	22	4	.....	4	26
Sodomy	4	.....	4	1	.....	1	5
Insubordination	3	.....	3	3	.....	3	6
Receiving stolen goods ..	7	2	9	6	1	7	16
Rape and attempt	30	.....	30	8	.....	8	38
Cruel treatment to seamen	1	.....	1	.....	.....	.....	1
Vagrants	250	26	276	57	18	75	351
Passing counterfeit money	16	2	18	.....	.....	.....	18
Infanticide .....	.....	.....	.....	.....	1	1	1
Keeping opium joint .....	.....	.....	.....	3	.....	3	3
Smuggling	1	.....	1	.....	.....	.....	1
Carrying concealed weap- ons	2	.....	2	9	.....	9	11
Selling goods without license	3	.....	3	1	.....	1	4
Murder	22	2	24	12	.....	12	36

EXHIBIT B—Concluded.

	WHITE.			COLORED.			Grand Total.
	Men.	Women.	Total.	Men.	Women.	Total.	
Suspicious characters....	33	1	34	26		26	60
Cruelty to animals	1		1	1		1	2
Keeping bawdy house...	2	6	8				8
Violating election laws..	36		36	6		6	42
Enticing minors for prostitution.....	7	4	11	1		1	12
Attempt to steal.....	8		8	9		9	17
Pickpocket	11		11	2		2	13
Arson.....		1	1	1		1	2
Defrauding hotel.....	5		5				5
Indecent exposure	11		11	12		12	23
Fraudulent trick.....	6		6				6
Mayhem.....	2		2	3		3	5
Riding on railroad cars unauthorized	8		8	5		5	13
Robbery	7		7	6	3	9	16
Assault to rob	32	1	33	13	11	4	57
Assuming to United States office	1		1				1
Violating postal laws....	10	2	12				12
Malicious destruction of property	6		6	1		1	7
Poisoning	1	3	4				4
Incorrigible children....				30		30	30
Practicing medicine without license.....				1		1	1
Procuring abortion.....	1		1	2		2	3
Interfering with an officer	7		7	1		1	8
Violating dredging law..	2		2				2
Blackmail	1		1				1
	5,315	534	5,849	3,061	817	3,878	9,727

EXHIBIT C.

SHOWING THE NUMBER OF PRISONERS COMMITTED AND HOW DISCHARGED
FOR THE YEAR ENDING DECEMBER 31, 1896.

Total number of prisoners committed	9,727	
Sent to Maryland Penitentiary:		
White men.....	96	
" women	2	
	<hr/>	98
Colored men.....	91	
" women	9	
	<hr/>	100
Sent to Bayview Asylum:		
White men.....	12	
" women	4	
	<hr/>	16
Colored men.....	5	
" women	1	
	<hr/>	6
Sent to House of Refuge:		
Colored men.....		1
Sent to Mount Hope Retreat:		
White men.....		1
Sent to Spring Grove Asylum:		
White men.....		1
Transferred home:		
White men.....	3	
" women.....	1	
	<hr/>	4
Colored men.....	1	
" women.....	2	
	<hr/>	3
Sent to Maryland House of Correction:		
White men.....	244	
" women	22	
	<hr/>	266
Colored men	85	
" women	17	
	<hr/>	102
Sent to House of Reformation for Colored Boys:		
Colored boys		48
Died in Jail:		
White men.....	3	
Colored men	2	
	<hr/>	5
Pardoned by the Governor:		
White men.....		4
Discharged by courts, magistrates, expiration of sentence, and otherwise	8,477	
Remaining in jail December 31, 1896.....	595	
	<hr/>	9,727

EXHIBIT D.

BEING A SUMMARY OF RECEIPTS AND EXPENDITURES

DR.

CASH ACCOUNT RECEIPTS.

Charles S. Beebe, contract labor.....	\$4,181 42
United States Marshal, for board of prisoners.....	1,229 50
Somerset County, " ".....	1,158 00
Baltimore County, " ".....	202 50
Anne Arundel County, " ".....	54 90
Charles County, " ".....	41 50
Kent County, " ".....	42 00
Harford County, " ".....	3 00
Montgomery County, " ".....	15 00
Prince George's County, " ".....	2 50
Delaware authorities, " ".....	2 00
Captain James Dunn, " ".....	4 20
Sale of old barrels.....	43 82
" bones, iron, etc.....	44 64
" old rifles.....	28 00
" old harness.....	1 50
	<hr/>
	\$7,054 48

	YEARLY.	DAILY.
Cost of maintaining prisoners per capita was.....	\$95 15	.2599
Officers' salaries.....	\$49 73	.1364
General subsistence.....	21 74	.0594
Hospital subsistence.....	2 53	.0069
Fuel and light.....	7 12	.0194
Expense account.....	3 83	.0102
Sanitary account.....	1 75	.0047
Clothing account.....	4 10	.0111
Hospital account.....	82	.0022
Machinery and repairs.....	3 53	.0096
	<hr/>	<hr/>
	\$95 15	.2599

EXHIBIT D.

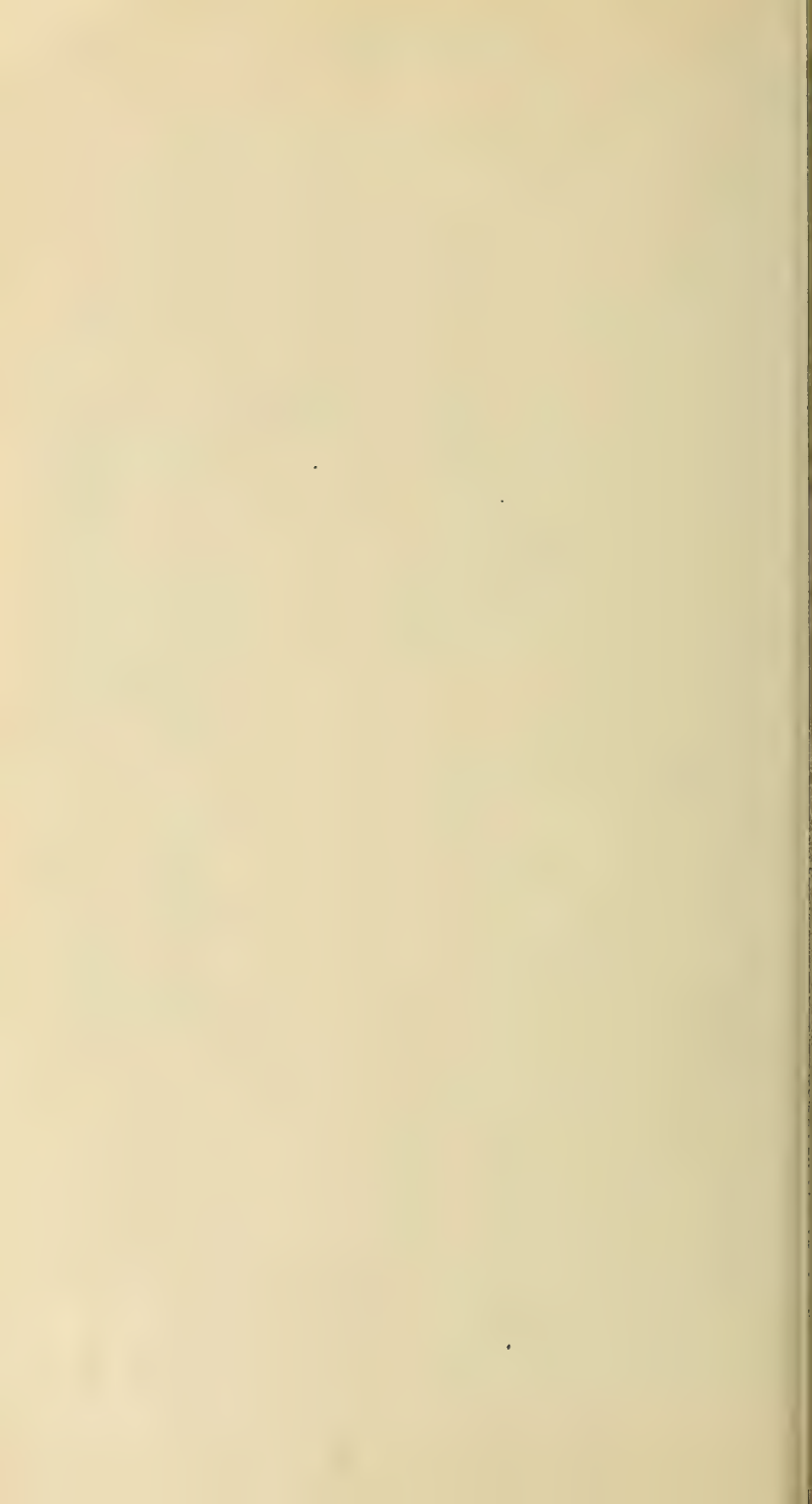
FOR THE YEAR ENDING DECEMBER 31, 1896.

Cr.

1896.

CASH ACCOUNT DISBURSEMENTS.

December 31.	To officers' salaries.....	\$26,458 38
" 31.	To subsistence of prisoners.....	11,566 76
" 31.	To hospital subsistence.....	1,350 38
" 31.	To fuel and light.....	3,789 28
" 31.	To expense account.....	2,037 67
" 31.	To sanitary account.....	932 40
" 31.	To clothing for prisoners.....	2,179 87
" 31.	To hospital account.....	432 94
" 31.	To machinery and repairs.....	1,872 71
" 31.	To balance of appropriation of \$52,000 in hands of Comptroller.....	1,379 61
		<u>\$52,000 00</u>
1896.	Paid City Register.....	\$7,054 48
Deducting \$7,054.48 cash receipts, the net cost of the running expenses of the Jail for 1896 was.		\$43,565 91



PHYSICIAN'S REPORT.

HOSPITAL DEPARTMENT,

BALTIMORE, December 31, 1896.

*To the Honorable the Mayor
and Board of Visitors Baltimore City Jail:*

GENTLEMEN: I have the honor to report that the sanitary condition of the Baltimore City Jail has, since my incumbency, been excellent.

There has been but one case of contagious disease in the institution during the year, and that had developed somewhat before the man came under my observation.

A long-felt want has been supplied by adding a hospital for the care and comfort of the afflicted ones, and I report with pleasure the rapid convalescence of the inmates therein, which, without this valuable addition, could not have otherwise been effected.

A more wholesome diet has been furnished the prisoners, which greatly assists the hygiene of the institution, and improved bathing appliances and electric lights have added much to their comfort.

By reference to the following tabulated statement you will notice that during the year the number of prescriptions were 14,275, a daily average of 39, and 3,679 patients were treated.

Previous to my taking charge of the medical department, two deaths occurred, and since then three—one from cirrhosis of the liver; another suddenly by rupture coronary artery, the man being found dead in his cell three-quarters of an hour after he was last seen alive; and the last by scalding by unavoidable accident in the boiler room. Those sent to asylums and other places of restraint were, in my best judgment, placed in the hands of other institutions more adapted to meet their requirements. I wish to suggest the fitting up of three padded cells for the care and safety of those suffering with delirium tremens. I also wish to call your attention

to the inadequate heating apparatus of the institution, which needs your careful investigation.

In conclusion, I wish to extend my most sincere thanks to the Warden and his corps of deputies for their valuable services rendered, and to the Honorable the Mayor and Board of Visitors for their courtesies and wise counsel.

Very truly yours,

JAMES C. CLARKE, M.D.,

No. 1201 Madison Ave., City.

ANNUAL REPORT.

FROM JANUARY 1 TO DECEMBER 31, 1896.

Abscess	36	Intermittent Fever	6
Alcoholism	426	Inanition	14
Anaemia	90	Internal injury	7
Amputations	1	Lumbago	33
Asthma	7	Leucorrhoea	1
Bubo	14	Maniaapotu	20
Bites—dog's and man	9	Malaria	136
Burns and scalds	19	Morphine habit	10
Bronchitis, acute	360	Mastitis	5
Bronchitis, chronic	7	Metritis	5
Chancre	74	Myalgia	11
Constipation	371	Neuralgia, Facial	70
Conjunctivitis	31	Neuralgia, Intestinal	19
Catarrh, nasal	24	Neurasthaenia	78
Catarrh of the stomach	5	Neuphralgia	30
Croup	1	Opium Habit	3
Convulsions	8	Pneumonia	2
Cholera infantum	1	Pleurisy	8
Cirrhosis of the liver	2	Pedi Cula Pubi	27
Conjestion of the liver	99	Phymosis	7
Dysmenorrhoea	9	Phthisis	23
Dysentery	3	Pertussis	1
Dyspepsia	14	Pharyngitis	2
Diarrhoea	87	Poisoning	3
Dislocations	2	Paralysis	4
Eczema	39	Rheumatism	172
Erysipelas	3	Retention of urine	7
Epilepsy	9	Syphilis	48
Earache	11	Sprains	57
Fistula in ano	1	Stomatitis	4
Felon	4	Stricture	2
Furuncle	4	Spinal Disease	1
Fracture	32	Senile Debility	12
Frostbite	7	Scrofula	5
Gonorrhoea	92	Toothache	26
Gastritis	1	Typhoid Fever	1
Gleet	9	Tonsilitis	131
Hemorrhoids	31	Termed Pregnancy	1
Herpes circinnatus	6	Ulcers	64
Heart disease	11	Venereal Warts	22
Hernia	10	Varicocele	1
Hemorrhage	2	Vertigo	7
Hemaphlegia	1		
Hysteria	4		3,183
Headache	30	Surgical cases	417
Hydrocele	1	Teeth extracted	79
Insanity	5		
Insomnia	27		
Indigestion	57	Total	3,679

RECAPITULATION FOR YEAR ENDING 1896.

Jan'y—White males.....	118		
White females.....	6		
Colored males.....	84		
Colored females.....	52		
		260	
Total number prescribed for.....			805
Feb'y—White males.....	100		
White females.....	23		
Colored males.....	65		
Colored females.....	40		
		228	
Total number prescribed for.....			803
March—White males.....	186		
White females.....	10		
Colored males.....	115		
Colored females.....	30		
		341	
Total number prescribed for.....			1,299
April—White males.....	138		
White females.....	8		
Colored males.....	99		
Colored females.....	34		
		279	
Total number prescribed for.....			1,401
May—White males.....	148		
White females.....	27		
Colored males.....	131		
Colored females.....	32		
		338	
Total number prescribed for.....			1,316
June—White males.....	145		
White females.....	24		
Colored males.....	107		
Colored females.....	38		
		314	
Total number prescribed for.....			1,225
July—White males.....	188		
White females.....	38		
Colored males.....	146		
Colored females.....	40		
		412	
Total number prescribed for.....			1,379
Aug.—White males.....	143		
White females.....	25		
Colored males.....	113		
Colored females.....	52		
		333	
Total number prescribed for.....			1,415
Number carried forward.....		2,505	9,643

<i>Number brought forward</i>	2,505	9,643
Sept.—White males	145	
White females	28	
Colored males	107	
Colored females	46	
	—	326
Total number prescribed for		1,177
Oct.—White males	123	
White females	25	
Colored males	100	
Colored females	39	
	—	287
Total number prescribed for		1,148
Nov.—White males	132	
White females	22	
Colored males	82	
Colored females	42	
	—	278
Total number prescribed for		1,136
Dec.—White males	145	
White females	25	
Colored males	72	
Colored females	41	
	—	283
Total number prescribed for		1,171
		<hr/>
	3,679	14,275

SENT TO BAY VIEW.

White males	11	
White females	3	
Colored males	5	
Colored females	1	
	—	20

SENT TO SPRING GROVE, Etc.

White males	1
-------------------	---

SENT TO MOUNT HOPE.

White males	1
-------------------	---

SENT TO CITY HOSPITAL.

White males	4	
Colored females	1	
	—	5

TRANSFERRED HOME.

White males	3	
White females	1	
Colored males	1	
Colored females	2	
	—	7

RESULT OF TREATMENT.

Cured.....	3,097
Relieved.....	569
Died.....	5
Under treatment December 31.....	8
	<hr/> 3,679
Total number prescribed for.....	14,275
Total number special meals.....	4,415

DEATHS.

William L. Reese (white) died at 10.20 A.M., February 8, of apoplexy.

Jos. A. Haight (colored) died at 8.45 A.M., February 17, age 4 months 7 days, of capillary bronchitis; infant child of Birdie Tasker.

John Welsh (white) died at 6.40 P.M., October 5, of cirrhosis of the liver.

Walker Williams (colored) died at 7.15 A.M., October 31, of heart disease.

James Riley (white) died at 7.15 P.M., December 23, of burns.

SIXTY-EIGHTH ANNUAL REPORT

— OF THE —

BOARD OF COMMISSIONERS OF
PUBLIC SCHOOLS

— TO THE —

Mayor and City Council of Baltimore,

— FOR THE —

YEAR ENDING DECEMBER 31, 1896.



BOARD OF COMMISSIONERS OF PUBLIC SCHOOLS

FOR 1896.

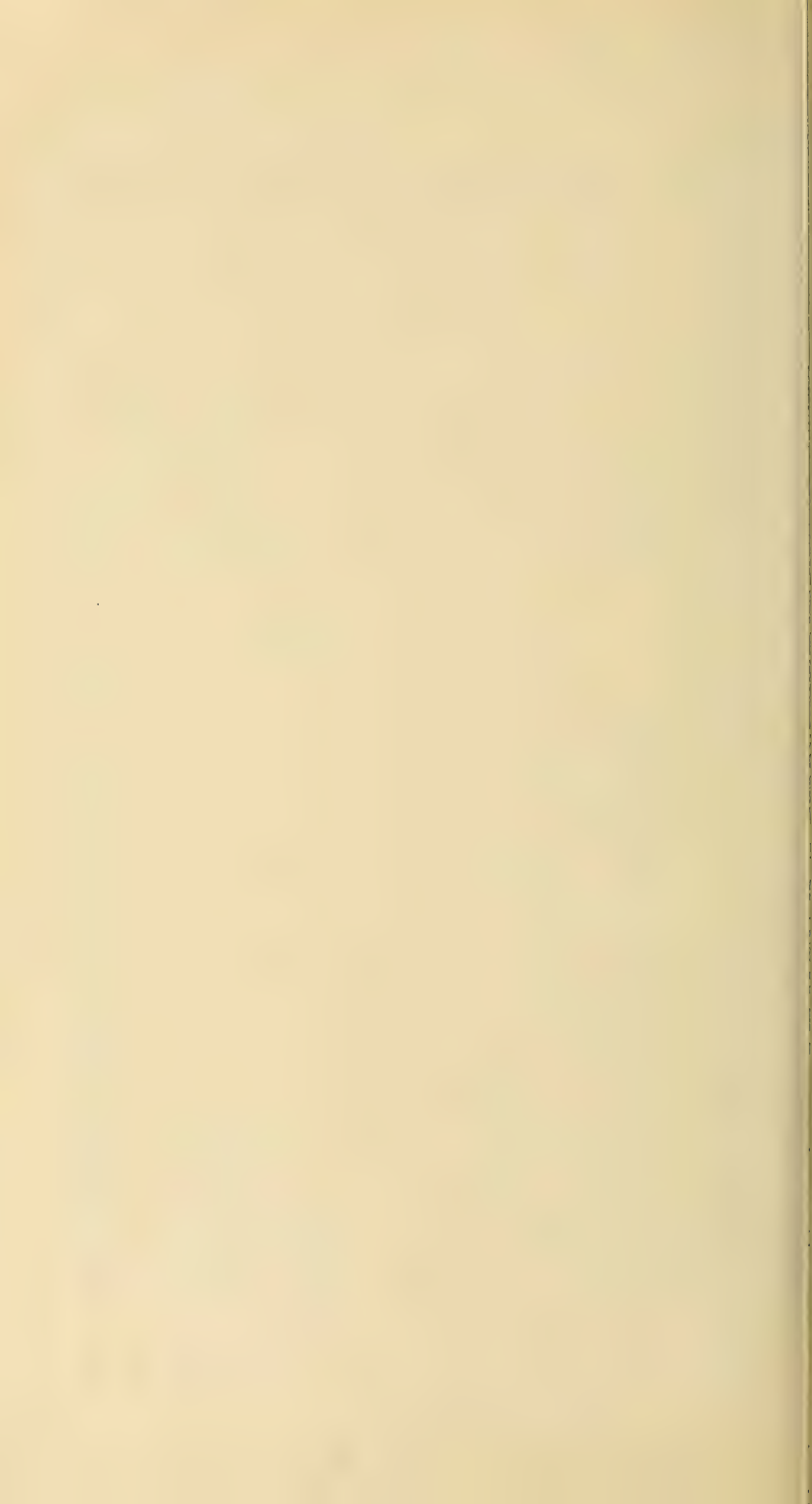
OFFICERS :

PRESIDENT	JOHN T. MORRIS.
SECRETARY.....	HENRY M. COWLES.
SUP'T OF PUBLIC INSTRUCTION.....	HENRY A. WISE.
ASSISTANT SUP'T OF INSTRUCTION	JOHN E. McCAHAN.
ASSISTANT SECRETARY.....	ALBERT MARSHALL.
SUPERINTENDENT OF SUPPLIES	CHRISTIAN W. KEIDEL.
LIBRARIAN	FRANCIS J. RUTH.
CLERK TO SECRETARY.....	WILLIAM F. O'CONOR.

MEMBERS OF THE BOARD :

HON. ALCAEUS HOOPER, MAYOR.

<i>Ward.</i>		<i>Term Expires.</i>
1.	JOSEPH L. FARNEN	1897
2.	JOHN H. HORST.....	1899
3.	EDWARD ESSLINGER.....	1900
4.	GEORGE F. LOUDERMAN.....	1898
5.	WILLIAM H. B. FUSSELBAUGH, OF J.....	1897
6.	ADOLPH P. SCHUCH.....	1900
7.	MARTIN B. BILLINGSLEA, M.D.....	1898
8.	JOHN T. FOLEY	1899
9.	MICHAEL SHEEHAN	1899
10.	JOHN T. MORRIS	1898
11.	WILLIAM W. DIX.....	1900
12.	JAMES W. DENNY.....	1897
13.	CHARLES C. STIEFF	1899
14.	CHARLES H. GATCH.....	1900
15.	JOHN H. CARLE.....	1897
16.	JOHN D. BLAKE, M.D.....	1898
17.	JAMES F. MORGAN.....	1900
18.	ROBERT H. CORNTHWAITE	1898
19.	MERVILLE H. CARTER, M.D.....	1899
20.	JAMES L. MURRILL	1897
21.	DANIEL W. SMITH, M.D.....	1897
22.	ARTHUR H. JACKSON.....	1897



STANDING COMMITTEES.

1.—BALTIMORE CITY COLLEGE.

Messrs. Foley, Denny, Carter, Jackson, President and Superintendent.

2.—FEMALE HIGH SCHOOLS.

Messrs. Fusselbaugh, Murrill, Dix, Blake, Billingslea, Louderman, President and Superintendent.

3.—GRAMMAR SCHOOLS.

Messrs. Stieff, Farnen, Carter, Sheehan, Schuch, President and Superintendent.

4.—PRIMARY SCHOOLS.

Messrs. Carle, Billingslea, Louderman, Gatch, Esslinger and Assistant Superintendent.

5.—ENGLISH-GERMAN SCHOOLS.

Messrs. Billingslea, Esslinger, Schuch, Smith and Horst.

6.—POLYTECHNIC EDUCATION.

Messrs. Murrill, Gatch, Dix, Sheehan, Morgan, President and the Mayor.

7.—COLORED SCHOOLS.

Messrs. Dix, Denny, Smith, Farnen, Cornthwaite and Superintendent.

8.—NORMAL SCHOOL.

Messrs. Carter, Murrill, Stieff and Superintendent.

9.—TEXT BOOKS.

Messrs. Denny, Dix, Jackson, Blake, Foley, President, Superintendent and Assistant Superintendent.

10.—FURNITURE.

Messrs. Jackson, Stieff, Carter, Dix and Morgan.

11.—MUSIC.

Messrs. Blake, Foley, Carle, Morgan and Horst.

12.—DISCIPLINE.

Messrs. Esslinger, Stieff, Carle, Fusselbaugh, Horst, President, Superintendent and Assistant Superintendent.

13.—ACCOUNTS.

Messrs. Murrill, Fusselbaugh, Stieff, Jackson and Morgan.

14.—EXPENDITURES.

Messrs. Louderman, Carle, Smith, Gatch, Esslinger and President.

STANDING COMMITTEES—*Concluded.*

15.—EXAMINATIONS.

Messrs. Cornthwaite, Smith, Dix, President, Superintendent and Assistant Superintendent.

16.—BI-WEEKLY REPORTS.

Messrs. Horst, Louderman and Sheehan.

17.—CONFERENCE.

Messrs. Gatch, Fusselbaugh, Jackson, Horst and Esslinger.

18.—BUILDINGS.

Messrs. Morgan, Carle, Schuck, Cornthwaite, Sheehan, President, Superintendent and Assistant Superintendent.

19.—PRINTING.

Messrs. Foley, Esslinger and Horst.

20.—HEALTH.

Messrs. Smith, Billingslea and Blake.

21.—DRAWING.

Messrs. Sheehan, Murrill, Carter, Cornthwaite and Farnen.

22.—INTESTATES' ESTATES.

Messrs. Denny, Gatch and Farnen.

23.—HEATING APPARATUS AND FUEL.

Messrs. Schuch, Cornthwaite, Morgan, Louderman, Farnen and President.

24.—RULES.

Messrs. Stieff, Denny and Smith.

25.—PUBLIC SCHOOL LIBRARY.

Messrs. Denny, Dix, Carter, Foley and President.

26.—NON-RESIDENT PUPILS.

Messrs. Farnen, Jackson and President.

27.—SEWING.

Messrs. Fusselbaugh, Denny, Foley, Blake, Morgan, President, Superintendent and Assistant Superintendent.

28.—NIGHT SCHOOLS.

Messrs. President, Cornthwaite, Carle, Foley and Billingslea.

29.—HALF-TIME SCHOOLS.

Messrs. Foley, Schuch, Sheehan, President, Superintendent and Assistant Superintendent.

REPORT
OF THE
Board of Commissioners of Public Schools
OF BALTIMORE.

OFFICE OF COMMISSIONERS OF PUBLIC SCHOOLS,

BALTIMORE, January 1, 1897.

The Honorable the Mayor and City Council of Baltimore:

The Board of Commissioners of Public Schools of Baltimore City respectfully presents its

SIXTY-EIGHTH ANNUAL REPORT,

showing its transactions during the past year, with a full account of receipts and expenditures during that time, and an estimate of the amount required for current expenses of the schools for the year 1897.

The accompanying reports of the Superintendents contain valuable information with reference to the work and present condition of the schools, and some important recommendations for their future improvement and success.

The annual report of the Committee on Accounts and the detailed statement of the Secretary will furnish you full information concerning the expenditures and wants of the schools, and will enable you to intelligently co-operate with the Board in the control of the department of public education of our city.

The following statistics will show that the whole number of schools of various grades was 188, under the charge of 1,798 teachers, being an increase of schools, teachers and pupils over the previous year, and classified as follows:

SCHOOL STATISTICS.

BALTIMORE CITY COLLEGE.

Number of schools.....	1
Number of teachers.....	16
Number of pupils on roll December 31, 1896.....	705
Average number on roll during the year.....	651
Average attendance.....	612
Percentage of attendance.....	94

FEMALE HIGH SCHOOLS.

Number of schools.....	2
Number of teachers.....	29
Number of pupils on roll December 31, 1896.....	1,061
Average number on roll during the year.....	1,032
Average attendance.....	943
Percentage of attendance.....	92

POLYTECHNIC INSTITUTE.

Number of schools.....	1
Number of teachers.....	20
Number of pupils on roll December 31, 1896.....	525
Average number on roll during the year.....	484
Average attendance.....	448
Percentage of attendance.....	92

GRAMMAR SCHOOLS.

Number of schools.....	41
Number of male teachers.....	37
Number of female teachers.....	376
Number of pupils on roll December 31, 1896.....	15,210
Average number on roll during the year.....	14,310
Average attendance.....	12,587
Percentage of attendance.....	88

PRIMARY SCHOOLS.

Number of schools.....	74
Number of female teachers.....	604
Number of pupils on roll December 31, 1896.....	22,099
Average number on roll during the year.....	22,161
Average attendance.....	18,466
Percentage of attendance.....	84

ENGLISH-GERMAN SCHOOLS.

Number of schools.....	7
Number of male teachers.....	20
Number of female teachers.....	163
Number of pupils on roll December 31, 1896.....	7,049
Average number on roll during the year.....	6,761
Average attendance.....	6,134
Percentage of attendance.....	91

ANNEX SCHOOLS.

Number of schools.....	23
Number of male teachers.....	12
Number of female teachers.....	169
Number of pupils on roll December 31, 1896.....	7,916
Average number on roll during the year.....	7,380
Average attendance.....	6,049
Percentage of attendance.....	82

COLORED MANUAL TRAINING SCHOOL.

Number of schools.....	1
Number of male teachers.....	7
Number of pupils on roll December 31, 1896....	83
Average number on roll during the year.....	76
Average attendance.....	68
Percentage of attendance.....	90

COLORED SCHOOLS.

Number of schools.....	22
Number of male teachers.....	26
Number of female teachers.....	188
Number of pupils on roll December 31, 1896.....	8,302
Average number on roll during the year.....	7,760
Average attendance.....	6,282
Percentage of attendance.....	80

NIGHT SCHOOLS.

Number of schools.....	15
Number of male teachers.....	50
Number of female teachers.....	29
Number of pupils on roll December 31, 1896.....	2,700
Average number on roll during the year.....	2,412
Average attendance.....	1,514
Percentage of attendance.....	62

In addition to the above-mentioned teachers in the various grades of schools there are 46 special teachers, 2 of whom are superintendents of music, 15 are teachers of drawing and 29 are teachers of sewing.

The above statistics show that the total number of pupils on roll at the end of the year was 65,787, under the charge of 1,798 teachers, of which number 63,087 were in the day schools and 2,700 in the night schools.

The daily average attendance was 53,226 and the whole number of pupils who attended the schools during the year, excluding duplicate enrollments, was 80,014.

The increase in the number of schools was 3; number of teachers, 131; number of enrolled pupils at the end of the year, 2,919; average attendance, 2,546, and in the whole number in the schools during the year, 1,014.

The percentage of attendance of pupils in all the day schools was 86, ranging from 94 in Baltimore City College to 80 in the colored schools.

The whole number of non-resident pupils during the year was 293, being 16 more than during the previous year, and the amount received from them for tuition and the use of books was \$3,747.95, as follows:

Polytechnic Institute.....	\$685 00
Baltimore City College.....	837 50
Female High Schools.....	179 00
Male Grammar Schools.....	864 00
Female Grammar Schools.....	492 45
Male Primary Schools.....	87 00
Female Primary Schools.....	83 00
English-German Schools.....	40 00
Colored Schools.....	16 00
Annex Schools ..	464 00
	<hr/>
	\$3,747 95

The public schools of Baltimore City were established for the free instruction of children of school age whose parents or guardians are residents of the city, but the children of non-residents are entitled to admission on the payment of the charge prescribed by the City Ordinance, namely: Baltimore City College, \$50; Polytechnic Institute, \$50; Female High Schools, \$32; Grammar Schools, \$16; Primary Schools, \$12. The object of this ordinance is to exclude from the schools, as free pupils, the children of parents or guardians who reside permanently in the counties and who contribute nothing towards the payment of the current expenses of the city. Its application to such persons, who are non-residents and own no property in the city, is fair and just. But there are many persons who own valuable property in the city who are compelled temporarily to reside in the county on account of their health or other good causes. They pay annually a large amount of taxes for the support of the public schools, and they feel that their children ought to be admitted on the usual terms and free of any charge, and yet they are excluded under the legal construction of the ordinance. There is, apparently, some justice in their protest against the rigid application of this ordinance, and it might be modified without doing injustice to the city. The members of the Board have been embarrassed in construing the ordinance in its application to numerous cases presented for their decision, and it was therefore decided to submit the whole subject to the City Solicitor (then Bernard Carter) for his opinion.

The applications for exemption from the terms of the ordinance were embraced in four classes, which were presented in the following questions submitted to him: 1st. When the parent or guardian is a taxpayer in Baltimore City, but resides outside the city limits, does the fact of his being a taxpayer exempt him from legal obligation to pay the fees charged by the ordinance? 2d. Are parents or guardians who actually reside beyond the city limits, but claim that they are registered voters of the city, and that they are only temporarily absent and expect to return, to be considered as residents or non-residents under the ordinance? 3d. When the parents or guardians of pupils are non-residents, but the pupils themselves are residing with relatives or friends who are residents of the city, the parents or guardians being unable to support and care for them, and their friends or relatives in the city are supporting and otherwise providing for the pupils entirely, although not legally appointed their guardians, is the fee to be charged for the admission of such pupils under the ordinance? 4th. Where the parents or guardians admit that they are non-residents, but claim that they are unable to pay the charge, has the Board the power to admit such pupils free?

In reply to these questions the City Solicitor gave the opinion that only those who are embraced in the third class are exempt from payment under the ordinance, and that all others must pay; and the Board has continued to act in accordance with this opinion in its construction and application of the ordinance. During the past year an application was made to the City Council, by a number of non-resident parents, for a change of this ordinance so as to exempt taxpayers from the charge. The desired ordinance was passed by the City Council, but was not approved by the Mayor.

This matter is again submitted for your consideration, to determine whether there might be some modification of the ordinance, so as to remove existing objections to it.

The average salary of the teachers was \$554, being \$22 less than during the previous year, and the per capita cost per pupil, based on the enrollment and the total current expenses of the schools, was \$19.31, and in the several grades was as follows:

Baltimore City College.....	\$56 00
Female High Schools.....	39 88
Male Grammar Schools.....	21 40
Female Grammar Schools.....	17 53

English-German Schools.....	\$16 99
Male Primary Schools.....	17 18
Female Primary Schools.....	16 20
Polytechnic Institute.....	65 87
Colored High and Grammar Schools.....	30 81
Colored Manual Training School.....	95 05
Colored Primary Schools.....	14 17
Annex Schools.....	17 46

The number of pupils to a teacher in Baltimore City College and the female high schools, on enrollment, was 38, and on average attendance 35; in Polytechnic Institute, on enrollment, 24, and on average attendance 22; in grammar schools, on enrollment, 37, and on average attendance 32; in primary schools, on enrollment, 37, and on average attendance 31; in English-German schools, on enrollment, 40, and on average attendance 36; in colored schools, on enrollment, 36, and on average attendance 29; in Annex schools, on enrollment, 41, and on average attendance 34.

FINANCIAL STATEMENTS.

The accompanying report of the Committee on Accounts shows the appropriations, receipts and disbursements during the past year.

The estimate submitted by the Board for the current expenses of the schools for the year 1896 was \$1,251,930, of which the sum of \$1,104,655 was for the schools in the first twenty wards, and \$147,275 for Annex schools in the Twenty-first and Twenty-second Wards. The total appropriation made by the City Council was \$1,213,141, being \$38,789 less than the estimate, and the total amount expended for current expenses was \$1,183,540.11, leaving an unexpended balance of \$29,600.89 to the credit of this department at the end of the year.

RECEIPTS.

The total receipts for current expenses of the schools were as follows:

From City Collector, taxes.....	\$1,012,778 38
From State Treasurer, taxes.....	209,176 14
From non-resident pupils.....	3,747 25
From John F. Plummer.....	57 25
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	\$1,225,759 72

This amount is \$116,239.42 more than the receipts for the year 1895, and is the largest collection ever received in any previous year for the use of the schools.

STATE AND CITY SCHOOL TAX.

The amount annually received from the State Treasurer for the support of the public schools in Baltimore City and the several counties arises from a tax of 10 $\frac{1}{2}$ c. on every \$100 of assessable property throughout the State. By the Acts of the General Assembly this fund is paid to the State for the support of these schools, and is afterwards distributed by the State Treasurer between the city and the counties in proportion to their school population between the age of five and twenty years.

The receipts from the City Collector arise from the annual tax levied on all property in Baltimore City for the use of the public schools, established under the ordinances of the Mayor and City Council, the amount of the tax during the last year being 37 $\frac{1}{2}$ cents on every \$100 of taxable property.

During the past year the amount of school tax paid by the city to the State was	\$280,217 24
And the amount received by the city from the State was. . .	209,176 14

Excess paid by the city.....	\$71,041 10
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Though this excess is much less than has been paid by the city during previous years, yet it shows that the same inequitable mode of distribution continues, and the city will undoubtedly be compelled to annually pay an excess in the future unless a different and more equitable system of distribution be authorized by the General Assembly of the State.

INTESTATES' ESTATES.

By the statute of the State the Orphans' Court of Baltimore City is directed to pay to the City Register, for the use of the public schools, the fund arising from intestates' estates, which remain undistributed for want of legal representatives of the intestates to claim the same. This fund is held by the city subject to the order of the Board of Commissioners of Public Schools, and is a separate and distinct revenue to be applied to the support of the public schools in addition to the annual taxes and appropriations made for that purpose.

During the past year the following amounts were received by the city from intestates' estates:

Estate of Bridget McDermott.....	\$310 50
Estate of Lucy Smith	31 83
Estate of Mary Barry.....	372 74
Estate of John Miller.....	878 00
Estate of Carl Miller.....	3 99
Sale of Perry street house.....	388 80
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	\$1,985 86

This fund stands on the books of the City Comptroller and City Register to the credit of the public schools in addition to the annual appropriation made for the support of the schools, and may be applied for such use as the Board of Commissioners may direct.

EXPENDITURES.

The amount expended by the Board for current expenses was \$1,224,711.38, and by the Inspector of Buildings on account of new buildings and repairs of old houses was \$162,146.65, making the total amount expended by the Board and the Inspector, \$1,386,858.03.

ESTIMATES FOR 1897.

The estimate for current expenses of the schools for 1897 is \$1,309,888, of which \$1,142,823 is for schools in the first twenty wards, and \$167,065 for Annex schools in the Twenty-first and Twenty-second wards, as follows:

Salaries	\$940,000 00
Rents of houses for use of schools	15,000 00
Stationery	15,000 00
Heating apparatus and repairs	16,000 00
Furniture in old buildings	6,500 00
Furniture in new Colored School No. 9	4,500 00
Furniture in new building in southwestern section	2,580 00
Furniture in new Colored School No. 8	2,580 00
Furniture in new Colored Grammar School No. 4	3,870 00
Furniture in new Grammar School No. 7	2,580 00
Fuel	45,000 00
Repairs and cleaning	15,000 00
Printing, incidentals and supplies	18,000 00
Polytechnic Institute	33,688 00
Colored Manual Training School	8,525 00
Night schools	14,000 00

Total amount for the first twenty wards	\$1,142,823 00
Annex schools—Salaries	\$135,000 00
Annex schools—All other expenses	32,065 00
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	167,065 00
	<hr/>
	\$1,309,888 00

This estimate is larger than the amount expended in 1896, but has been made by the Board after a careful consideration of the probable expenses of the schools during this year. The report of the Committee on Accounts shows in detail the amount expended by each department of the

schools during the past year. The certain increase in the number of pupils and teachers will necessarily increase the current expenses of the schools from year to year, and the annual appropriations must be proportionally increased. The custom of the Board has been to estimate approximately the actual expenses and to ask for the appropriation of that amount, and not to ask for a larger sum than is really necessary, with the expectation that the City Council will reduce the estimate. There may be an occasional error in the estimate resulting from unforeseen causes, but in past years it has usually been correct, and whenever the City Council has largely reduced the amount it has always been necessary to make an additional appropriation before the end of the year for the payment of salaries and other current expenses.

It is possible that some of the new school houses may not be finished during the year, and the appropriation for furniture for such schools may not be needed, and therefore would not be expended. It is earnestly recommended by the Board that the full amount of its estimate be appropriated. It would be a serious mistake to attempt to successfully conduct our public schools on parsimonious principles. Public sentiment does not desire this kind of municipal economy. Our citizens cheerfully pay their taxes for the support of the schools, and they expect them to be liberally sustained by necessary appropriations. The true policy is to make liberal appropriations for the support of the schools, and to hold the Board to strict responsibility for the proper expenditure of the amount.

INSPECTOR OF BUILDINGS.

In this connection the Board asks a liberal appropriation for the Inspector of Buildings. His report shows that during the past year several new school houses have been commenced and one or more completed, and several old buildings have been repaired and rendered more comfortable for teachers and pupils. He has responded promptly to all demands made upon his department for repairs, and has judiciously expended the money appropriated for that purpose. Until the required number of new school houses are erected it will be necessary to keep the old buildings in proper condition, and this object can only be satisfactorily effected by appropriating the required amount for the use of the Inspector of Buildings.

SCHOOL HOUSES.

There are 130 houses occupied by the schools, of which 97 are owned by the city and 33 are rented. The amount paid for rented houses during the year was \$13,219, and it is estimated that the rent during this year will probably be about \$15,000. There are between five and six thousand children in these rented houses because there are no accommodations for them in the school houses belonging to the city. Most of these are small dwellings or halls without sufficient light or ventilation and entirely unsuited for school use, and yet they are the best that can be obtained for this purpose. The owners of large buildings are unwilling to rent them for the use of our schools, and the Board is, therefore, compelled to accept the best that is offered, which are generally both unfit for school use and expensive. It is impossible for the schools that occupy these houses to perform their work as satisfactorily and successfully as those that have better facilities in commodious buildings. Their unsanitary condition is injurious to the health of teachers and pupils, and causes public criticism on the condition of our schools. The proper remedy for this existing evil is to erect more school houses until the present want is supplied. We repeat what has heretofore been said in former reports, that the true policy to be adopted in the erection of new houses is to build them sufficiently large to accommodate not only the pupils now in the schools, but also to provide for the annual increase in numbers.

The yearly demand for more school houses may seem extravagant and unnecessary to those who do not know or appreciate the growth of our schools. They seem to think that school buildings are so elastic that they can be arranged to comfortably accommodate an additional number of pupils from year to year without enlargement. If persons who entertain these views would examine the seating capacity of many school houses they would find that there is a large deficiency of proper and healthy accommodations for the pupils now in attendance.

The yearly increase of over 2,000 pupils means that additional class rooms must be furnished annually for that number, either by the enlargement of the old houses or the erection of new buildings; and it certainly would be more economical when new houses are erected to make the original appropriations sufficient to provide accommodations for the present and prospective wants of the schools.

It is gratifying to note that during the past year the appropriations for the purchase of lots and the erection of new buildings have been larger than during preceding years, and it is hoped that the same liberal spirit will prevail during this year.

The reports of the superintendents show in detail the present condition of a number of our school houses which need immediate attention, and it is earnestly recommended by the Board that liberal appropriations may be made for the erection of new houses where they are now needed.

In this connection the Board again recommends the Mayor and City Council to pass an ordinance authorizing the issue of \$500,000, or more, public school bonds, to be applied exclusively to the erection of new school houses. This amount would be sufficient to erect all the houses that will be needed for grammar and primary schools for several years, and would relieve the city of an annual tax for this purpose. The General Assembly will meet in 1898 and its assent could then be obtained, and the ordinance submitted to the people for their approval during the same year.

STATE APPROPRIATION FOR FREE BOOKS.

By an Act of the General Assembly, passed April, 1896, it was enacted that the several Boards of School Commissioners throughout the State should furnish text books to the pupils of the schools free of cost from and after August 1, 1896, and the sum of \$150,000 was appropriated to be paid by the State Treasurer to the Boards of Commissioners at that date and annually thereafter, to be expended in the purchase of text books.

This appropriation is to be annually apportioned by the State Comptroller in the same manner as the State school tax is now apportioned, upon the basis of children of school age in Baltimore City and in the several counties. The amount thus annually appropriated by the State is to be used for no other purpose except the purchase of text books for the public schools.

The amount received last year as the city's apportionment of this fund was \$52,521.13, of which \$44,551.58 was for white schools and \$7,969.55 for colored schools. The amount expended for books for white schools was \$37,213.97, and for colored schools was \$3,957.30, leaving a balance to the credit of the schools on account of this fund of \$11,349.86.

The annual apportionment of this year will be received in August next, which amount, with the above balance, will be applied to the purchase of books which may be needed during the year.

The Board has not asked any appropriation by the city for the purchase of books as it is believed that the appropriation by the State will be sufficient for that purpose.

PUBLIC SCHOOL LIBRARY.

This library has been of great benefit to the teachers and pupils of our schools. The report of the librarian shows that it now contains 8,634 volumes, embracing every department of literature, and the number of persons who have taken out books during the year was 1,525. Our teachers and pupils need books for educational and general reading, and many are not able to purchase them, and we should therefore liberally sustain the library in connection with our schools. There are other free libraries in our city to which our teachers have access, but there are none so well adapted to their special wants as our school library. When, therefore, it was recently recommended by the Mayor of the city that this library be abolished and the books transferred to some other free library, the subject was fully considered by the Board, and it was unanimously decided that it was for the best interest of our schools not to make the proposed transfer but to retain it as now established for the special use of our teachers and pupils. The Board now appropriates \$500 annually for the purchase of new books, but hopes that when it is removed to the new building a larger amount will be applied for this important educational help.

The librarian continues to satisfactorily perform the duties of his office to the best of his ability under the existing disadvantages, but it is hoped that better accommodations will soon be furnished for the library.

SCHOOL HELP.

During the past year several subjects were considered by the Board, which were deemed advantageous to our schools, and therefore were recommended for your consideration and favorable action.

An ordinance was passed authorizing instruction in physical training in the public schools, and the Board appointed

a committee to examine the subject and to recommend such system as might be deemed best for the interest of the pupils. The committee examined several experienced teachers of this subject and obtained much valuable information and intended to make a report at an early day, but before being able to do so a change occurred in the Board and the subject was left unfinished.

There can be no doubt about the importance and value of this kind of instruction in public schools, and it is hoped that the subject will again be considered and introduced in our schools during this year.

Application was made for authority to establish a training school for the instruction of applicants who intend to become teachers in our schools, but though the subject was considered by the Committee on Education of the City Council, no report was ever made by the committee. We do not know whether the application was refused on account of the probable expense of such school, or because it was not deemed an important adjunct to our school system. The Board is still of the opinion that a training school would be an important educational help to our schools, and therefore renew the application for permission to establish such school. It certainly cannot be necessary to present an argument to prove the necessity for such training to young and inexperienced teachers. Preliminary training is essential in any profession or business to secure the best results. This truth is recognized in nearly all public school systems in other cities, and such schools are established and liberally supported. It is important that the teachers in our schools shall be cultured and well trained for their work, and every facility should be furnished them. It is hoped, therefore, that authority will be given to the Board to establish such a school during this year.

After full consideration of the subject the Board authorized the appointment of assistants to the principals of schools, where the number of pupils justified it being done, for the purpose of enabling the principals to supervise the whole school and to aid the assistants in their work. Upon inquiry in other cities it was ascertained that this mode of assistance had been generally introduced with great success. The principals are expected, in addition to devoting a portion of each day to their own classes, also to daily visit and examine the other classes and to aid the assistants in

their work, and to report to the superintendents the progress of the schools.

From the reports thus far received by the superintendents they are of the opinion that this plan is working satisfactorily and the schools are being benefited.

SUPERVISION OF SCHOOLS.

The Board again calls your attention to the insufficient supervision of our schools by reason of having only two superintendents.

This report shows that there are 188 schools, containing about 1,400 classes of various grades, under the charge of 1,798 teachers. The two superintendents are required to visit these schools, examine the classes and advise and assist the teachers in their work, in addition to the performance of many other duties. It must be apparent that it is impossible for them to visit and examine the schools as often as is desirable. They were appointed many years ago, when the number of schools and classes was much less than they now are. At that time it may have been possible for them to satisfactorily supervise the schools, but it is now necessary, for their interest, that additional superintendents should be appointed.

It is generally agreed by all intelligent educators that there should be at least one superintendent for every 300 teachers in public schools to accomplish the best results. In view of this existing necessity the Board asks authority to appoint three additional superintendents.

TEACHERS' ASSOCIATIONS.

We commend these associations because they are of great benefit to the teachers and our schools. A number of our most intelligent and efficient teachers realized the necessity for mutual consultation and advice about their professional work, and several years ago they organized the Public School Teachers' Association, for the benefit of all teachers in the schools who were willing to become members. Questions of material interest to the schools have been considered from time to time, and many of the teachers have been benefited. There is a great difference in the educational capacity of our teachers as shown in their work. This must necessarily be so because some of them have had more ex-

perience than others and are better qualified for the performance of their professional duties. It is the duty of teachers to co-operate in their school work so as to obtain the best results, and the strong should help the weak, and thus promote the success of all.

Under the supervision of the superintendents different grades of the schools have also organized associations for the mutual instruction of their members, and they are accomplishing good results.

In addition to these associations for improvement of their professional work there are also two other teachers' associations organized for the mutual aid and benefit of their members. The Teachers' Beneficial Association was formed in December, 1877, and its object is to provide a fund for the benefit of those members who, through sickness or other personal disability, are prevented from the active discharge of school duties, and also, upon the death of any member, to provide a sum of money for the benefit of the family of the deceased. Any teacher of the public schools may become a member of the association upon the payment of one dollar for initiation fee and an annual membership fee of three dollars.

Many members have been sick and received assistance, and fifty-seven have died since the organization of the association, and the total amount paid on account of sickness has been \$16,453.70, and \$17,630 to the representatives of deceased members, making the total sum of \$34,083.70. There are now 344 members of the association.

On April 18, 1896, The Teachers' Mutual Benefit Association of the City of Baltimore was incorporated, and during the same month commenced its work with seven hundred members. The objects of the association are "to provide for and furnish annuities to such of its members as shall be incapacitated from teaching in the public school of the City of Baltimore by reason of sickness or advanced age." Any teacher or superintendent of public schools in Baltimore City may become a member of the association by a vote of the trustees and upon paying an initiation fee of five dollars and annual dues amounting to one and a-half per cent. on the annual salary of said member. All members who become physically or mentally incapacitated for school work may become annuitants and annually receive the amount prescribed by the constitution and by-laws of the association.

The Teachers' Bazar was held for the benefit of this

association and was liberally patronized by the public and about \$17,000 was realized, which has been judiciously invested.

We approve of these associations and recommend all the teachers to become members.

APPOINTMENT AND PROMOTION OF TEACHERS.

We copy from our last report what we then said with reference to the appointment and promotion of teachers. As no changes have been made in the rule during the past year, and it is now in full force, what was then said with reference to it will apply now. It is hoped that the rule will not be changed until it has been fully tried in its application to our schools, and that the appointment and promotion of teachers will be made during this year on *the merit system*.

By the rule of the Board recently adopted the graduates of Baltimore City College, and the two Female High Schools, and the female graduates of Maryland State Normal School, and those who pass the regular semi-annual examinations of the Board, shall be eligible as teachers, provided they receive the averages of scholarship now or hereafter prescribed. Graduates of the Baltimore Polytechnic Institute may be selected for any position therein and in the Colored Manual Training School, and the instructors in the mechanical departments in these two schools may be chosen by the Board from among the applicants who may solicit appointments to vacancies in those departments.

The graduates of Colored High School, and those colored applicants who pass the regular semi-annual examinations of the Board, shall be eligible as teachers in schools wholly in charge of colored faculties, provided they obtain the average of scholarship now or hereafter prescribed.

The list of eligible teachers shall be prepared by the superintendent and their names shall be arranged in accordance with the final scholarship of each or the average attained at the examination, so that the one who has attained the highest average stands first, the one who has the next highest average second, and so on to the lowest, and if any two or more shall have the same average then their names shall be arranged in alphabetical order.

When a vacancy occurs in a school the applicant who is highest on the list shall receive the appointment except in certain cases which are specially excepted by the rule.

Every appointee shall serve for a probationary term of twelve months before permanent election, and the superintendents and principal of the school in which the appointee is teaching shall make a report to the Board at the end of every quarter with reference to the fitness and efficiency of such appointee before election.

Heretofore all the teachers were annually elected in the month of June, but that rule of annual election has been superseded and now a teacher who has been elected under the rules of the Board shall hold his or her position during good behavior and efficient service.

It is believed that this new rule for the appointment and promotion of teachers on the merit system will be a benefit to the schools, and it will certainly relieve the Commissioners of frequent annoyance and embarrassment in the selection of teachers. The supply of candidates is far in excess of the demand for teachers, and few only can be annually appointed, and many must necessarily be disappointed. In making his selections the Commissioner may exercise his best judgment and his appointments may be for the benefit of the schools, and yet he is frequently and unjustly charged with being controlled by political or other improper influence by the friends of those who do not obtain appointments. Under the merit system the teachers practically appoint themselves, as those who have the best records secure the positions, and the Commissioners will thus be relieved of this unpleasant duty, and will escape the unjust censure to which they are now subjected.

SCHOOL CRITICISM.

In a previous report the Board deemed it proper to call your attention to the hostile criticism of some persons in our community upon our public schools and their management, and to ask your official aid in removing some of the causes of this criticism. During the past year the unsanitary condition of some of the school buildings has been publicly announced by the Health Department of our city, and by other persons who have examined them in the interest of our teachers and pupils. It is eminently proper that such unsatisfactory condition of our school buildings shall be known and the existing evils removed, but it is unjust to those in charge of the schools to condemn them for evils which they cannot remedy.

There are really many persons in our city who believe that this Board has charge of the expenditure of money appropriated for the erection and repairs of school houses, and that an unlimited amount is at its disposal for this purpose, and therefore they blame the Board for this unsanitary condition by which the health of teachers and pupils is impaired.

The annual reports of the Board show that from year to year most urgent applications are made for liberal appropriations for the purpose of removing these evils, and yet the amounts appropriated are insufficient to enable the Inspector of Buildings, who has exclusive charge of this subject, to make the needed repairs and secure the proper sanitary condition.

It is therefore unfair and unjust to condemn this Board for the existence of the condition in some schools, which it would gladly remedy if it had the power.

But there is another kind of criticism even more offensive and a class of critics more unjust, and our schools may be injured by these chronic fault-finders unless they are repressed by public sentiment.

It is an error to suppose that those in charge of public schools are opposed to fair criticism of their management and the results. On the contrary they have always invited an intelligent and impartial examination of their methods for the purpose of obtaining the opinions and advice of the public.

No system of schools is perfect and no management is faultless. Educators are conscious that errors exist in their methods of instruction and that the best results are not always obtained, but they faithfully labor from year to year with the hope that improvements may be made, and they are always willing to accept judicious advice and apply proper remedies for the removal of existing errors.

But, unfortunately, this is not the object or intention of many modern school reformers and critics. They really have no desire to better the schools or to assist in remedying educational defects. Whilst professing to be friends of free education they are really its enemies. They admit that the results are generally satisfactory, and thus many of the best and most useful men and women in the country have been educated in the public schools, but they insidiously charge that public confidence is impaired because of the

alleged existence of political influence in their management. They urge a change in the present mode of appointing Commissioners and teachers, which has been producing good results in the past, but are unable to recommend any better plan for the appointment of either. Such criticism is neither honorable nor just, and must be the result either of ignorance or prejudice, and is, doubtless, intended to excite hostility to our schools, and therefore should not be encouraged.

Every committee that has been appointed by the city for the examination of our school system, whilst reporting some existing defects and recommending some changes, has most favorably sustained its management and results and commended it to public confidence.

It should therefore be clearly understood that those in charge of our public schools are always willing to reform any abuses that may be found in our methods and to make any changes that will improve our system, and we therefore invite the public to examine their work and to recommend proper remedies for any existing errors that may be found.

We have thus briefly reported the work of the schools during the past year and their present condition and requirement, and have submitted some suggestions for their future advancement. Whilst all has not been accomplished that was desired, yet the work of the past year has been generally satisfactory, and much has been done to commend our schools to public confidence and support.

Our schools have furnished a liberal education to many of our best and most useful citizens, and are entitled to the support of all classes in our community. There may be difference of views upon other subjects of municipal control, but it is the opinion of all good citizens that public education is essential to the public welfare and should receive a harmonious and united support.

This cause makes no appeal to sectarian or political feeling, and nothing could be more disastrous to the schools than the introduction of such baneful influences. They should be entirely free from such control, and no one should be permitted to assist in their management who would attempt to pervert his office to partisan purpose or for personal profit. It matters not what may be a man's political views or religious sentiments in private life, when he accepts the office of Commissioner of Schools it is his duty to divest

himself of all religious and political prejudice in this new relation, and to act solely for the benefit of the children and success of the schools committed to his charge. We do not know who may be our successors in the management of this important trust, but sincerely hope that they may be intelligent and conscientious friends of our schools, who will exclude everything that can impede their progress and do all in their power to promote their success.

JOHN T. MORRIS, *President.*

IN MEMORIAM.

It is again our sad duty to announce the death of several experienced and successful teachers, some of whom have been connected with our schools for many years. They conscientiously and faithfully performed their work and won the respect and affection of their pupils.

We appreciated their devotion to duty and will always remember them as useful co-workers in the cause of public education.

SARAH G. CARR, Assistant in Male Primary School No. 26.
Died January 5, 1896.

ELIZABETH P. MARTIN, Assistant in Female Primary School No. 10. Died January 9, 1896.

OLIVE C. BLACKBURN, Assistant in Annex School No. 6.
Died January 11, 1896.

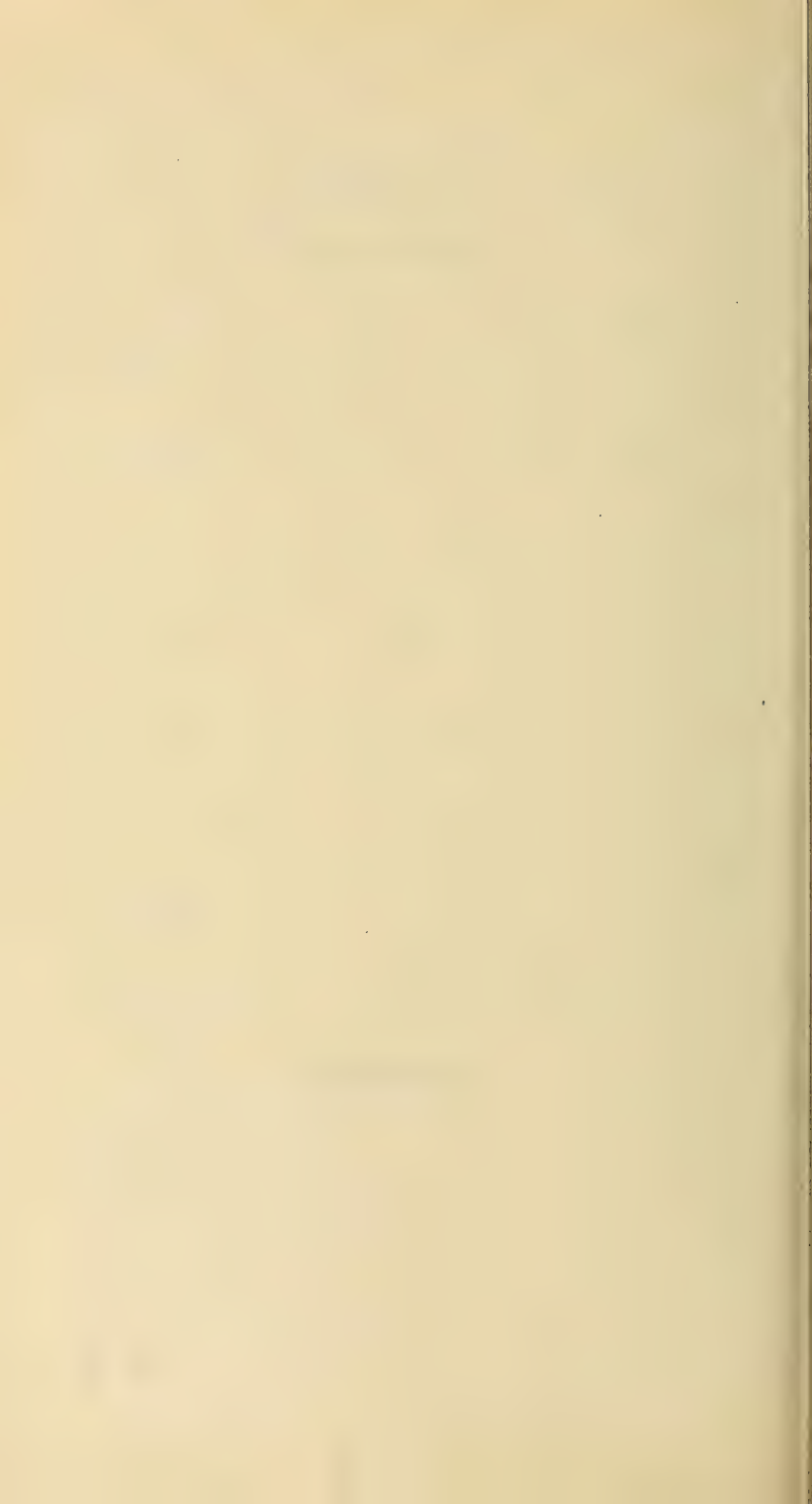
LIZZIE B. KRAUSZ, Assistant in Female Primary School No. 33. Died January 22, 1896.

LETTIE L. GILMORE, Assistant in Male Grammar School No. 13. Died July 15, 1896.

MARY V. COLLIER, Assistant in Female Primary School No. 10. Died July 28, 1896.

SARAH G. PRYOR, Principal of Female Grammar School No. 21. Died August 9, 1896.

J. WALTER HOOPER, Principal of Male Grammar School No. 11. Died September 7, 1896.



ANNUAL REPORT

— OF THE —

COMMITTEE ON ACCOUNTS.

BALTIMORE, December 31, 1896.

To the Board:

One of the duties of the Committee on Accounts, prescribed by the Rules of the Board, is to audit all bills against the Board and certify to their correctness.

We respectfully report that in the performance of that duty we have audited, during the past year, bills amounting to \$214,227.31, in which amount are included bills for books amounting to \$41,171.27, which were paid out of the amount appropriated by the State as the "Free Book Fund."

The amount first named above, together with \$1,011,449.60, the amount paid on account of salaries, gives the total of the current expenses of the schools for the year \$1,225,676.91.

Another duty is to examine the accounts of the Secretary of the Board. This duty has been performed, and we find that he has received, as fees from non-resident pupils, \$3,747.95, and from intestates' estates \$1,985.86, making a total of \$5,733.81, all of which he has paid over to the City Register, as shown by the receipts of that officer.

In compliance with the custom of several years past this committee has examined and passed upon the estimated amounts required for expenditure for school purposes during the year 1897, as prepared by the Secretary of the Board, and as the result of said examination we submit the following:

ESTIMATES FOR 1897.

For all schools in the first twenty wards.....	\$1,142,823 00
For all schools in the Twenty-first and Twenty-second Wards	167,065 00
Total	\$1,309,888 00

In order to show for what purposes or items of expenditure the above amount will be required, we submit it itemized as follows :

For salaries, first twenty wards.....	\$940,000 00
For rents, first twenty wards	15,000 00
For stationery, first twenty wards	15,000 00
For heating apparatus, first twenty wards.....	16,000 00
For furniture in old buildings, first twenty wards.....	6,500 00
For furniture for new Colored No. 9, for first twenty wards.....	4,500 00
For furniture for house in southwestern section, first twenty wards.....	2,580 00
For furniture for Colored No. 8, first twenty wards.....	2,580 00
For furniture for Colored Grammar No. 4, first twenty wards	3,870 00
For furniture for Grammar No. 7, first twenty wards.....	2,580 00
For fuel, first twenty wards	45,000 00
For repairs and cleaning, first twenty wards.....	15,000 00
For incidentals, printing, supplies, etc., first twenty wards.	18,000 00
For night schools.....	14,000 00
For Polytechnic Institute	33,688 00
For Colored Manual Training School.....	8,525 00
For Annex salaries	135,000 00
For Annex expenses.....	32,065 00
Total.....	\$1,309,888 00

It has been the custom of this committee in past years, in submitting its estimates, to submit also some reasons for asking the amounts stated.

The expenditures for school purposes must, of course, vary largely from year to year, and after examining the expenditures of past years, noting the usual annual increase, and investigating the causes which have produced such increase, not only the increase in the number of pupils, but also the possible variation in the contract prices of furniture, books, stationery and other supplies, we have fixed our estimates at the amounts which we think will be required for the several items.

SALARIES.

The number of teachers appointed during the past year is much in excess of the usual number. The prevailing opinion among the members of the Board was that the principals of the larger schools had not the opportunity to supervise the lower grades of their schools so long as they had to teach their own classes without assistance.

This opinion was confirmed by information obtained from

other cities, showing that in some, principals are not required to teach a class, but give their entire time to the supervision of the classes of their schools, while in others they were given such assistance as would enable them to give such time as might be required to classes of lower grades.

A rule was, therefore, adopted providing for an assistant to the principal in schools having seven classes or more, and under the operation of this rule the number of additional teachers has been considerably increased. The amount required for this item is estimated at \$940,000.

The amount usually appropriated by the Mayor and City Council, under the head "Expenses," in the accounts of the School Board, is divided into several different items, first of which is

RENTS.

We most heartily wish this item could be eliminated from our report, and that in its stead we could congratulate ourselves and the public on having sufficient school accommodations in large, properly constructed, well-heated, lighted and ventilated buildings. But from present appearances such congratulations will not be in order in the near future. In past years the seed of small school lots and small school buildings was sown, and we are now reaping its fruit in rented houses, often generating disease, and, through the sickness and consequent absence of children, causing, in many cases, a shortage of pupils in average attendance.

We are, however, glad to be able to say that in very recent years larger lots are secured, larger appropriations are made for buildings, and an effort made towards proper heating and ventilating.

The amount paid on account of this item during the past year (in first twenty wards) is \$13,219. These rents, as they now stand on our books, show that \$13,794 will be required for the coming year, provided that no additional buildings are rented, and none that are rented be given up; but if we judge the future by the past we must estimate an increase, and we have fixed the amount of our estimate for that item at \$15,000.

STATIONERY.

This item was formerly "*Books and Stationery*," but the "Free Book Fund" received from the State is intended to pay for the books in all the schools in all the wards. If it

shall be found sufficient for the purpose, then no appropriation by the Mayor and City Council for *books* will be required; but if not, the deficiency must be supplied from the amount appropriated for this item of stationery. We believe the entire amount of this estimate will be required for the item of stationery, and can only hope the Free Book Fund will suffice for the purpose for which it is intended. Our estimate for this item is \$15,000.

HEATING APPARATUS.

For this item there was expended during the year 1896 the sum of \$11,282.43. It is only natural to expect an increase in this, as in all other items, on account of the growth of the system; but an unusual increase may be anticipated in view of the fact that one or two slight fires in the schools seem to have brought about a raid on the heating apparatus in the schools by the Furnace Inspector. One school is found in which the apparatus is not properly arranged, in another it is not sufficient to heat the building, etc. This, we think, is all right. The buildings should be properly heated, and they should be well protected against fire, but it is going to increase, perhaps largely, the expenditure on account of this item, and the amount required therefor will not be much if any less than we have estimated, namely, \$16,000.

FURNITURE.

The amount required for this item depends largely upon the number of new buildings which will be completed and require new furniture. As the prices given in the contracts already made for furniture and supplies will continue through the year, the amount required to furnish the new buildings can be and has been carefully and accurately calculated, and no reduction can be made in those amounts without depriving the schools of the necessary appliances.

The amount which will be required to replace in the old buildings the furniture which will during the year become unfit for use cannot be so accurately calculated, and as some of it has been in the schools for thirty years or more, it is reasonable to suppose that it will soon cease to be serviceable.

For such furniture we have estimated \$6,500.

FUEL.

The amount required for this item is increasing very much from year to year, owing to the fact that the systems of heating *and ventilating* placed in the school buildings recently erected require, in some cases, twice as much fuel as was required with the old methods of heating; but if the new systems do provide as is claimed, in addition to the heating, a proper ventilation of the school rooms, then the additional expenditure ought not to be considered.

What parent has not felt aggrieved when a child has come from school with a cold contracted by being compelled to sit near an open window with cold chilly air coming on him, and in very many cases resulting in some contagious disease which will require all the children in the family to remain away from school perhaps a month or more; yet there must be ventilation, and how else can it be procured except by improved and more expensive systems of heating and ventilation?

The amount expended for this item in 1896 was \$41,296.44. Our estimate for 1897 is \$45,000.

The cost of fuel in the school buildings recently erected varies from \$500 to \$800 each per annum. If, therefore, the five buildings for which we have estimated shall be finished, the expenditure for fuel will be increased to the extent of \$3,000, and if the contract prices shall be no higher than they were in 1896 our estimate will not be too high.

REPAIRS AND CLEANING.

The amount expended for this item in the past year was \$11,953.49, which was, in round numbers, \$1,850 more than in 1895. A similar increase in 1897 will make it \$13,800, and our estimate is \$14,000.

INCIDENTALS.

A calculation similar to that given above for the item, repairs and cleaning, will give \$18,162 as the amount required for incidentals.

We have placed our estimate at \$18,000.

NIGHT SCHOOLS.

The night schools were open only three months in 1896, and the expenditure for that time was \$5,946.10. Estimating at the same rate for seven months we have the amount as stated, \$14,000.

The estimates for the Polytechnic Institute and the Colored Manual Training School are made, as usual, by those having charge of them and approved by their committee, and as the items of expenditure have been carefully examined we believe the amounts asked for will be required.

ANNEX SCHOOLS.

It is confidently expected that two new buildings will be completed for schools in the Annex during the year, namely, Female Annex No. 3 and Annex No. 18. These must be furnished at an expense of several thousand dollars, and with the natural growth of the schools in the suburban districts a considerable increase in the expenses may reasonably be expected. Our estimates for these schools, both salaries and expenses, are less than \$20,000 in excess of the amount asked for last year, and the committee thinks the amounts are not excessive.

In conclusion, we will say our estimates have been conscientiously made.

Should any of the school buildings for which we have estimated not be completed, or should the contracts to be made in June next for fuel and for books and stationery be less than expected, then the surplus will be returned, as is proven by the last two or three reports of the Board.

Respectfully submitted.

JAMES L. MURRILL, *Chairman.*

SECRETARY'S STATEMENT

— OF —

Estimates, Expenditures, Etc., on Account of Public Schools in 1896.

The estimates made by the Board for the current expenditures for school purposes for the year 1896 were as follows:

For salaries, not including the Polytechnic Institute, nor the Colored Manual Training School, nor Night Schools, in first twenty wards.....	\$870,175 00
For items other than salaries in first twenty wards, excluding as above.....	179,614 00
For Polytechnic Institute.....	35,116 00
For the Colored Manual Training School.....	7,750 00
For Night Schools.....	12,000 00
For salaries in the Annex Schools.....	115,775 00
For other items in the Annex Schools.....	31,500 00
Total	\$1,251,930 00

In making the appropriation, the Mayor and City Council reduced the amount to the extent of \$38,789.

The items from which these reductions were made were the following:

From city expenses, including rents, books, heating, furniture, fuel, repairs and incidentals, first twenty wards....	\$29,789 00
From Annex expenses.....	4,000 00
From Night Schools	5,000 00
Total	\$38,789 00

THE FOLLOWING STATEMENTS SHOW THE AMOUNTS APPROPRIATED AND EXPENDED FOR THE ITEMS NAMED:

Salaries—First Twenty Wards:

Appropriated.....	\$870,175 00
Expended.....	863,412 35
Unexpended.....	\$6,762 65

Other than Salaries—First Twenty Wards:

Appropriated.....	\$149,825 00
Expended.....	139,449 56
Unexpended	\$10,375 44

Baltimore Polytechnic Institute:

Appropriated	\$35,116 00
Expended.....	33,356 80
Unexpended	\$1,759 20

Colored Manual Training School:

Appropriated	\$7,750 00
Expended	7,771 82
Overdrawn.....	\$21 82

Night Schools—First Twenty Wards:

Appropriated	\$7,000 00
Expended.....	5,946 10
Unexpended	\$1,053 90

Annex Schools—Salaries Twenty-first and Twenty-second Wards:

Appropriated	\$115,775 00
Expended.....	112,902 25
Unexpended	\$2,872 75

Annex Schools—Other than Salaries:

Appropriated.....	\$27,500 00
Expended.....	20,701 23
Unexpended	\$6,798 77

Total in First Twenty Wards:

Total appropriations.....	\$1,069,866 00
Total expenditures.....	1,049,936 63
Unexpended	\$19,929 37

Total in Annex Schools:

Total appropriations.....	\$143,275 00
Total expenditures.....	133,603 48
Unexpended.....	\$9,671 52

Total for all the Schools:

Amount appropriated.....	\$1,213,141 00
Amount expended.....	1,183,540 11

Unexpended.....	\$29,600 89
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The above is exclusive of the amounts received from the State as the city's apportionment of the \$150,000 appropriated as the Free Book Fund, to be expended *for books only*.

The amount received on account of White Schools was.....	\$44,551 58
The amount expended on account of White Schools was.....	37,213 97

Unexpended.....	\$7,337 61
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The amount received on account of Colored Schools was.....	\$7,969 55
The amount expended on account of Colored Schools was...	3,957 30

Unexpended.....	\$4,012 25
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The above apportionment, made by the State, is intended to cover the twelve months commencing August 1, 1896, and ending July 31, 1897.

EXPENDED BY THE INSPECTOR OF BUILDINGS ON ACCOUNT
OF NEW BUILDINGS AND IMPROVEMENTS AND
REPAIRS OF OLD BUILDINGS.

In the First Twenty Wards:

For general repairs	\$14,999 93
On Western Female High School, new.....	14,665 68
On Baltimore City College, new.....	22,023 74
On Primary No. 4, new.....	34,671 13
On Primary No. 34, new	17,103 88
On Primary No. 37, new	23,946 82
On Colored No. 9, new	9,750 03
On Colored No. 10, new.....	3,170 96
On Colored No. 8, new.....	20 30
On Colored Grammar No. 4, new.....	67 35
On Grammar No. 7, new	11 00
	<hr/>
	\$140,430 80

In Twenty-first and Twenty second Wards:

For general repairs	\$2,600 00
On Female Annex No. 3, new	8,168 90
On Annex No. 18, new.....	10,946 95
	<hr/>
	21,715 85
By the Inspector	\$162,146 65
By the Board.....	1,224,711 38
	<hr/>
By the Board and Inspector.....	\$1,386,858 03

RECEIPTS FOR THE CURRENT EXPENSES OF THE BOARD.

From the City Collector, taxes.....	\$1,012,778 38
From the State Treasurer, taxes	209,176 14
From non-resident pupils	3,747 95
From John F. Plummer... ..	57 25
	<hr/>
	\$1,225,759 72

RECEIVED FROM INTESTATES' ESTATES.

Intestate estate of Biddie McDermott.....	\$310 50
“ “ “ Lucy Smith	31 83
“ “ “ Mary Barry	372 74
“ “ “ John Miller.....	878 00
“ “ “ Carl Miller.....	3 99
“ “ sale of Perry street house.....	388 80
	<hr/>
	\$1,985 86

NON-RESIDENT PUPILS.

The number of non-resident pupils now in the schools is 194. The total number in the schools during some portion of the year, 1895, being 16 more than in 1895.

The amount received from non-residents.....	\$3,747 95
From Polytechnic Institute.....	\$685 00
“ Baltimore City College.....	837 50
“ Female High Schools.....	179 00
“ Male Grammar Schools.....	864 00
“ Female Grammar Schools.....	492 45
“ Male Primary Schools.....	87 00
“ Female Primary Schools	83 00
“ English-German Schools.....	40 00
“ Colored Schools.....	16 00
“ Annex Schools.....	464 00
	<hr/>
	\$3,747 95
Less than receipts in 1895.....	\$152 05

The fees for non-residents are as follows:

In Baltimore City College	\$50 per annum, payable quarterly.
In Polytechnic Institute.....	50 “ “ “ “
In female high schools	32 “ “ “ “
In all grammar grades.....	16 “ “ “ “
In all primary grades.....	12 “ “ “ “

The fees are payable in advance. Quarters commence: First quarter, September 1; second quarter, November 21; third quarter, February 11; fourth quarter, April 26.

The average salary of teachers in 1896 was \$554.

PER CAPITA TAX.

The cost per pupil, including all the day schools under the control of this Board, based

1st. On the enrollment and the expenditure for books and stationery.

2d. On the enrollment and the total current expenses including books, was as follows:

	<i>For Books and Stationery.</i>	<i>For Current Expenses.</i>
In Baltimore City College.....	\$2 47	\$56 00
In female high schools.....	1 75	39 88
In male grammar schools.....	1 60	21 40
In female grammar schools....	1 34	17 53
In English-German schools.....	1 00	16 99
In male primary schools.....	70	17 18
In female primary schools	59	16 20
In Polytechnic Institute	3 18	65 87
In Colored Manual Training.....	1 70	95 05
In colored high and grammar schools.....	1 76	30 81
In colored primary schools.....	61	14 17
In Annex schools.....	97	17 46
Average for all	1 01	19 31

STATE TAX.

Amount of school tax paid by the city to the State.....	\$280,217 24
Amount of school tax received by the city from the State...	209,176 14
Excess to the State.....	\$71,041 10

SCHOOL BUILDINGS.

Number of school buildings owned by the city.....	97
Number rented for school purposes.....	33
Total number used for school purposes.....	130

The following tables show :

Table showing amounts appropriated, expended, balances, etc.

Table A—Monthly expenditure itemized.

Table B—Itemized expenditures for each school.

Table C—Location of schools, size of lots, ground rents, amount paid on lots, size of buildings, cost or estimated value, and date of completion.

HENRY M. COWLES, *Secretary.*

TABLE SHOWING AMOUNTS APPROPRIATED, EXPENDED, BALANCES, ETC.

ITEMS.	APPROPRIATED.	EXPENDED.		TOTALS.	UNEX- PENDED.	OVER- DRAWN.
		White Schools.	Colored Schools.			
Salaries, general account.....	\$870,175 00	\$750,805 95	\$112,606 40	\$863,412 35	\$6,762 65	.....
Rents, general account	13,535 00	10,828 00	2,391 00	13,219 00	316 00	.....
Books and stationery, general ac- count.....	27,891 00	17,023 77	2,500 72	19,524 49	8,366 51	.....
Heating apparatus, general ac- count.....	12,600 00	9,582 13	1,700 30	11,282 43	1,317 57	.....
Furniture, general account.....	35,649 00	25,960 66	2,077 29	28,037 95	7,611 05	.....
Fuel, general account	36,050 00	36,635 06	4,661 38	41,296 44	.....	\$5,246 44
Repairs and cleaning, general ac- count.....	12,600 00	10,882 62	1,070 87	11,953 49	646 51	.....
Incidentals, general account	11,500 00	12,695 10	1,440 66	14,135 76	.....	2,635 76
Night Schools.....	7,000 00	5,946 10	.....	5,946 10	1,053 90	.....
Polytechnic Institute.....	35,116 00	33,356 80	.....	33,356 80	1,759 20	.....
Colored Manual Training School..	7,750 00	.....	7,771 82	7,771 82	.....	21 82
Annex, salaries	115,775 00	107,359 00	5,543 25	112,902 25	2,872 75	.....
Annex, sundries	27,500 00	19,566 79	1,135 04	20,701 23	6,798 77	.....
The net unexpended balance.	\$1,213,141 00	\$1,040,641 38	\$142,898 73	\$1,183,540 11	\$37,504 91	\$7,904 02

In addition to the above amounts for *current expenses*, the Mayor and City Council made a special appropriation of \$999.37 for flags for the school buildings, of which \$865.53 has been expended.

The term "General Account" in the above table means for schools in the first twenty wards not specially designated.

TABLE A.

SHOWING THE AMOUNTS EXPENDED EACH MONTH OF THE YEAR 1896.

[illegible]

TABLE B—SHOWING THE ITEMIZED EXPENDITURES FOR EACH SCHOOL.

SCHOOLS.	Salaries.	Rents.	Books and Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printings, Etc.	Free Books.	Totals.
General expense (city)	\$32,500 65	\$300 00	\$ 80	.....	\$41 17	.....	\$1,521 86	\$3,365 00	\$33 90	\$37,729 48
Public School Library	900 00	300 00	306 81	\$15 37	.....	\$27 46	.....	83 60	.....	1,633 24
Baltimore City College	34,920 00	.....	457 94	33 05	72 94	898 40	329 00	1,451 47	1,289 81	38,162 80
Eastern Female High Sch'l.	14,128 00	.....	335 58	223 33	819 97	562 53	902 55	664 21	541 81	17,636 17
Western " "	16,544 75	.....	147 92	.....	4,030 96	747 59	123 86	1,702 75	837 66	23,297 83
Balto. Polytechnic Inst.	23,685 00	.....	448 27	17 55	713 40	681 47	424 46	7,386 65	1,224 94	33,356 80
Col'd Man'l Training Sch'l.	5,655 00	.....	23 65	2 75	22 92	148 84	36 75	1,881 91	117 55	7,771 82
Male Grammar No. 1.	\$5,819 25	.....	\$277 75	\$50 60	\$70 50	\$325 66	\$214 21	\$34 51	\$272 16	\$6,792 48
" " 2.	7,893 25	.....	258 96	186 80	919 05	478 88	122 01	270 19	545 17	10,129 14
" " 3.	4,146 00	.....	35 69	41 90	.....	168 70	31 25	6 38	200 96	4,429 92
" " 4.	5,742 00	.....	313 07	155 70	231 20	282 23	31 00	23 30	257 75	6,778 50
" " 5.	5,064 10	.....	139 26	53 35	5 60	159 85	99 11	67 76	290 56	5,589 03
" " 6.	7,394 00	\$120 00	94 30	43 50	4 80	305 98	149 15	.....	544 15	8,111 73
" " 7.	6,464 75	100 00	304 26	94 00	211 16	356 76	125 87	27 01	523 92	7,683 81
" " 8.	7,069 75	285 00	98 77	80 85	15 75	561 63	31 17	21 78	540 10	8,164 70
" Gram. & Prim. No. 9.	3,801 25	540 00	36 39	38 65	.....	193 18	60 67	114 66	137 29	4,784 80
" Grammar No. 10.	6,457 00	.....	149 40	104 78	471 88	212 40	131 43	213 30	441 92	7,740 19
" " 11.	5,517 65	.....	215 58	67 50	34 38	318 66	134 67	16 60	329 13	6,305 04
" " 12.	6,338 50	.....	206 24	229 80	120 52	265 00	89 52	6 15	354 27	7,255 73
" " 13.	3,858 25	.....	173 95	40 50	.....	164 00	33 71	13 95	140 02	4,284 36
" " 15.	8,043 50	.....	357 72	239 82	10 38	484 98	94 55	.....	385 13	9,230 95
" " 16.	6,517 00	.....	166 28	131 00	366 53	292 23	23 80	34 77	273 65	7,531 61
" " 17.	5,747 10	.....	54 78	61 00	.....	268 00	45 71	19 01	488 24	6,195 60
" " 18.	5,459 75	.....	321 14	7 50	661 16	364 24	30 85	27 35	304 61	6,871 99
" " 19.	7,086 00	.....	227 50	23 00	8 10	334 92	30 88	70 85	402 51	7,781 25
" " 20.	9,585 00	225 00	383 89	71 55	370 36	744 82	48 33	267 63	563 27	11,696 58
" " 21.	6,178 50	.....	162 06	50 70	100 77	237 94	64 46	24 91	446 90	6,819 34
M. & F. Gram. No. 22.	4,976 25	.....	80 24	223 70	.....	334 90	121 81	64 54	287 87	5,801 44
Totals, Male Grammar.	\$129,158 85	\$1,270 00	\$4,057 92	\$1,008 90	\$2,203 14	\$2,074 00	\$2,203 14	\$2,203 14	\$2,203 14	\$129,158 85

English-German No. 1.....		\$9,484 50	\$223 46	\$114 34	\$14 92	\$243 18	\$90 12	\$19 16	\$326 96	\$10,189 68
"	" 2.....	15,961 10	447 01	716 60	88 82	647 35	164 26	53 25	625 00	18,078 39
"	" 3.....	20,911 80	240 49	714 50	757 57	929 47	191 36	162 61	1,284 10	24,132 80
"	" 4.....	19,590 00	246 36	153 00	65 63	765 08	61 00	47 85	1,125 39	20,937 92
"	" 5.....	15,917 50	263 22	128 15	53 06	898 39	104 18	67 09	883 89	17,431 59
"	" 6.....	14,102 40	122 89	36 05	165 29	805 64	50 00	65 76	902 06	15,948 03
"	" 7.....	5,320 45	221 35	109 63	371 66	190 80	122 15	468 09	202 79	7,754 13
Totals, English-German..		\$101,296 75	\$1,775 00	\$1,972 27	\$1,516 95	\$4,479 91	\$783 07	\$883 81	\$5,350 19	\$114,472 54
Female Grammar No. 1.....		\$5,238 20	\$106 63	\$59 70	\$5 19	\$315 16	\$30 54	\$29 69	\$267 85	\$5,785 11
"	" 2.....	6,588 00	238 02	17 00	76 70	418 43	58 36	98 87	482 14	7,495 38
"	" 3.....	3,239 25	30 73	40 00	.....	154 92	31 25	16 04	209 24	3,512 19
"	" 4.....	4,623 60	127 41	59 42	1 96	212 00	29 66	5 49	306 20	5,059 54
"	" 5.....	4,213 75	241 81	54 40	72 99	185 26	51 91	27 85	161 02	4,847 97
"	" 6.....	6,583 00	163 83	24 60	225 03	400 88	150 14	90 16	245 22	7,727 64
"	" 7.....	6,069 75	202 55	92 40	198 90	385 69	37 85	39 84	454 12	7,026 98
"	" 8.....	6,359 00	143 22	55 35	45 59	531 53	25 00	33 15	521 73	7,192 84
"	" Gram. & Prim. " 9.....	3,174 75	133 94	39 89	56 10	197 62	156 65	79 92	93 57	4,438 87
"	" Grammar " 10.....	5,803 70	235 80	128 73	518 16	202 00	97 07	130 50	448 58	7,140 96
"	" 11.....	5,781 50	169 76	68 00	5 60	308 42	139 50	33 14	429 98	6,505 92
"	" 12.....	5,253 70	152 39	267 14	98 32	284 50	58 90	24 50	343 29	6,139 45
"	" 13.....	4,260 50	98 03	54 50	160 43	186 08	36 50	28 13	331 42	4,824 17
"	" 14.....	8,393 25	455 94	248 05	74 85	415 63	32 60	45 35	396 46	9,665 67
"	" 15.....	5,716 75	191 58	122 92	56 14	289 25	39 50	5 14	221 07	6,421 28
"	" 16.....	4,662 30	114 51	48 00	13 19	243 38	41 70	23 43	308 23	5,146 51
"	" 17.....	5,405 25	163 92	.....	645 97	384 69	.....	48 99	364 44	6,648 82
"	" 18.....	6,572 50	82 64	22 00	623 90	306 25	44 00	49 77	550 68	7,701 06
"	" 19.....	9,204 75	280 69	101 49	436 62	671 28	65 10	242 67	780 93	11,002 60
"	" 20.....	5,533 00	47 48	52 80	46 56	253 83	105 37	44 06	252 58	6,083 10
Totals, Fem. Grammar....		\$112,676 50	\$3,380 88	\$1,556 39	\$3,362 20	\$6,346 80	\$1,231 60	\$1,096 69	\$7,168 75	\$130,366 06

TABLE B—Continued.

Schools.	Salaries.	Rents.	Books and Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, Etc.	Free Books.	Totals.
Male Primary No. 1.....	\$4,346 75	.....	\$46 09	\$42 00	\$70 00	\$324 00	\$130 50	\$6 25	\$54 74	\$4,965 59
" " 2.....	3,204 75	.....	81 66	31 20	11 22	143 00	32 07	.....	80 51	3,503 90
" " 3.....	5,675 10	\$600 00	140 55	90 05	101 06	171 61	82 04	4 87	145 50	6,805 28
" " 4.....	3,762 75	330 00	45 77	82 30	1,938 41	355 07	188 36	187 34	58 86	6,890 00
" " 5.....	6,219 50	.....	158 37	116 84	38 13	261 63	18 45	31 89	148 62	6,844 81
" " 6.....	5,449 30	150 00	88 47	111 08	55 60	258 24	60 97	75 14	167 55	6,248 80
" " 7.....	3,183 40	.....	136 06	51 75	20 82	149 50	49 94	5 00	29 22	3,596 47
" " 8.....	3,219 20	.....	54 66	35 75	.....	189 88	57 00	.....	65 95	3,556 49
" " 10.....	3,235 50	.....	73 46	44 70	13 19	145 90	40 38	.....	65 70	3,553 13
" " 11.....	7,718 30	.....	211 61	103 20	36 04	387 25	20 50	41 95	357 63	8,518 85
" " 12.....	4,762 50	225 00	106 55	69 35	.....	219 29	59 32	4 00	140 62	5,446 01
" " 13.....	2,903 55	.....	40 71	46 00	58 60	355 71	17 50	61 85	98 87	3,483 92
" " 14.....	4,344 25	.....	133 41	59 15	43 65	268 98	20 00	.....	107 84	4,869 44
" " 15.....	5,097 50	.....	142 89	45 00	78 36	193 25	26 70	6 05	105 78	5,589 75
" " 16.....	3,886 00	.....	96 19	97 30	16 82	187 30	81 04	3 51	93 32	4,368 16
" " 17.....	4,188 50	.....	107 51	59 25	33 66	187 71	82 14	29 50	91 44	4,688 27
" " 18.....	3,207 50	.....	109 50	26 10	26 22	197 97	60 07	3 50	40 28	3,630 86
" " 19.....	2,268 00	210 00	52 69	.....	.....	129 25	25 70	10 25	62 31	2,695 89
" " 20.....	10,369 10	.....	228 83	161 75	136 73	325 75	93 55	21 81	277 36	11,337 52
" " 21.....	4,266 75	480 00	73 79	37 30	.....	251 97	61 84	2 30	181 56	5,173 95
" " 22.....	4,663 35	264 00	67 11	48 00	.....	181 85	36 70	.....	147 32	5,261 01
" " 23.....	4,782 60	.....	152 49	76 75	9 35	187 37	256 03	40 14	98 67	5,504 73
" " 24.....	4,320 80	.....	108 34	64 85	10 38	255 88	20 10	26 60	69 45	4,806 95
" " 25.....	3,954 40	.....	76 29	48 55	33 99	346 45	179 81	36 25	111 03	4,675 74
" " 26.....	3,556 10	.....	55 83	82 55	.....	130 62	51 11	53 66	74 10	3,929 87
" " 27.....	4,704 50	.....	28 59	52 25	117 63	138 30	32 46	24 90	116 82	5,098 63

		\$4,076 00	\$87 84	\$63 50	\$30 81	\$167 34	\$84 24	\$31 75	\$84 12	\$4,541 48
"	" 28.....	.....	.....	71 50	11 22	190 00	78 50	6 60	40 34	3,342 58
"	" 29.....	2,895 50	89 26	74 70	9 40	264 83	38 97	16 56	110 92	7,951 25
"	" 30.....	7,284 55	262 24	11 00	.....	295 00	27 95	.....	59 22	3,633 40
"	" 31.....	3,234 00	65 45	60 50	.....	294 70	47 75	38 00	94 10	4,895 95
"	" 32.....	4,338 50	110 90	75 00	5 60	335 50	64 82	11 25	206 18	5,734 77
"	" 33.....	5,193 00	55 20	21 70	.....	356 03	29 54	158 84	145 87	4,313 58
"	" 34.....	1,964 25	77 44	25 50	1,480 78	230 50	52 83	25 47	59 88	3,965 49
"	" 35.....	3,399 95	160 02	42 10	71 22	81 75	44 15	83 30	51 39	3,294 65
"	" 36.....	2,370 00	68 55	.....	4 80	58 00	159 20	198 74	99 49	5,328 94
"	" 37.....	2,782 25	50 81	41 55	1,815 94	224 98	20 00	61 50	152 75	5,347 70
"	" 38.....	3,776 25	123 42	.....	.....	.....	.....	.....	.....	.....
Totals, Male Primary....		\$158,604 20	\$3,768 55	\$2,170 07	\$6,279 63	\$8,442 36	\$2,432 23	\$1,308 77	\$4,095 31	\$187,453 81
Female Primary No. 1.....		\$4,244 25	23 51	\$54 00	\$76 90	\$314 10	\$26 44	\$4 15	\$101 80	\$4,743 35
" 2.....		3,668 50	63 27	28 79	42 07	152 68	23 50	5 31	110 34	3,984 12
" 3.....		4,967 00	60 30	50 00	4 80	181 23	38 46	14 45	127 02	5,316 24
" 4.....		3,622 55	41 77	.....	1,939 17	419 57	134 31	137 76	66 86	6,815 13
" 5.....		6,221 25	95 82	117 00	.....	264 49	5 55	6 26	163 24	6,710 37
" 6.....		5,477 20	68 12	41 00	145 50	256 00	62 86	48 29	163 90	6,248 97
" 7.....		3,220 50	65 75	50 00	31 24	139 53	59 49	3 50	33 57	3,570 01
" 8.....		2,756 00	52 08	30 00	.....	198 50	18 90	13 81	47 04	3,069 29
" 10.....		3,188 75	51 47	35 00	43 74	87 00	11 26	2 02	93 62	3,419 24
" 11.....		7,074 85	193 61	92 27	10 38	398 48	17 50	17 37	170 52	7,804 46
" 12.....		4,602 00	94 11	54 50	11 22	135 00	29 92	3 80	139 18	5,005 55
" 13.....		2,841 60	16 94	15 25	2 50	367 15	18 25	8 70	100 95	3,270 39
" 14.....		3,862 25	32 36	50 00	75 20	268 75	35 89	9 01	126 19	4,333 46
" 15.....		4,589 85	170 34	52 31	102 22	181 28	37 67	28 31	99 59	5,161 98
" 16.....		3,355 75	60 93	87 80	11 22	212 80	26 50	8 43	88 50	3,763 43
" 17.....		4,167 00	64 77	70 50	10 40	195 22	76 97	33 89	63 48	4,618 75
" 18.....		3,212 00	57 15	16 00	.....	181 00	44 25	6 42	73 86	3,516 82
" 19.....		1,807 50	26 40	.....	.....	127 00	3 00	7 63	43 43	1,971 53
" 20.....		8,591 45	92 21	79 00	77 34	351 18	52 10	44 37	331 69	9,287 65

TABLE B—Continued.

SCHOOLS.	Salaries.	Rents.	Books and Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, Etc.	Free Books.	Totals.
Female Primary No. 21.....	\$4,167 00	.....	\$81 56	\$20 45	\$51 84	\$211 75	\$22 50	\$5 01	\$60 26	\$4,560 11
" " 22.....	4,641 00	.....	89 29	47 00	.....	113 63	38 25	9 60	124 83	4,938 77
" " 23.....	4,708 60	.....	159 91	65 00	12 50	182 63	259 89	10 27	71 94	5,398 80
" " 24.....	4,282 00	.....	48 07	28 75	12 46	268 30	15 00	3 22	127 32	4,657 80
" " 25.....	3,926 25	.....	100 42	37 50	33 99	356 14	184 11	10 05	99 57	4,648 46
" " 26.....	3,231 00	.....	11 95	47 00	22 47	143 69	27 80	71 70	38 06	3,555 61
" " 27.....	4,761 25	.....	44 73	47 00	29 13	158 28	48 88	8 66	104 02	5,097 93
" " 28.....	4,146 05	.....	58 93	61 25	67 01	188 85	44 23	4 95	115 41	4,571 27
" " 29.....	2,832 05	.....	66 82	57 00	.....	222 10	59 75	6 04	63 05	3,243 76
" " 30.....	6,389 25	.....	153 37	73 25	.....	244 55	40 00	15 48	144 74	6,915 90
" " 31.....	3,352 00	.....	53 20	17 25	.....	315 65	10 85	5 38	35 10	3,754 33
" " 32.....	3,909 75	.....	96 78	57 25	18 10	315 95	19 00	20 63	83 14	4,437 46
" " 33.....	4,280 00	.....	40 73	23 00	5 00	355 15	40 91	3 84	81 70	4,748 63
" " 34.....	1,993 25	\$250 00	58 34	.....	1,477 37	299 65	17 37	78 45	137 62	4,174 43
" " 35.....	3,301 45	.....	250 60	3 70	93 66	254 84	6 25	28 54	80 02	3,939 04
" " 36.....	2,243 00	375 00	64 35	67 10	21 19	63 65	8 40	34 82	50 65	2,877 51
" " 37.....	2,755 75	650 00	44 84	4 88	1,806 08	57 38	240 00	81 96	102 39	5,640 89
" " 38.....	3,686 35	.....	48 48	34 65	.....	91 90	38 28	12 07	84 42	3,911 73
Totals, Female Primary..	\$150,076 25	\$2,020 00	\$2,803 28	\$1,615 45	\$6,234 70	\$8,275 05	\$1,844 29	\$814 15	\$3,749 02	\$173,683 17
Col'd High & Gram. No. 1..	\$12,269 10	\$80 00	\$515 01	\$320 91	\$891 53	\$408 48	\$46 96	\$555 19	\$732 55	\$15,087 18
Grammar Colored No. 2....	4,640 00	.....	80 56	69 77	.....	228 01	116 95	14 58	278 64	5,149 87
" " 3.....	4,997 50	.....	58 59	58 34	225 25	145 71	43 00	17 68	290 65	5,546 07
Male Colored No. 1.....	3,378 25	775 00	50 15	29 54	.....	114 75	59 16	16 60	66 63	4,423 45
" " 2.....	3,823 50	.....	88 60	64 75	.....	193 00	34 65	22 33	74 94	4,226 83
" " 3.....	5,623 55	.....	129 64	42 50	.....	243 60	27 50	3 30	125 52	6,070 09

Male Colored No. 4.....	\$5,313 20	\$58 95	\$54 29	.....	\$142 68	\$32 51	\$7 70	\$79 07	\$5,609 33
" " 5.....	2,646 75	63 64	28 00	\$56 60	161 15	29 50	.....	56 91	2,985 64
" " 6.....	3,645 75	87 33	37 00	.....	144 55	21 77	.....	85 20	3,936 40
" " 7.....	6,304 75	104 23	254 70	129 26	285 55	105 14	58 43	234 11	7,242 06
" " 8.....	4,542 75	114 84	72 63	130 79	161 78	257 03	419 61	82 34	6,275 43
" " 9.....	6,963 85	149 55	70 52	121 71	265 13	60 62	57 90	255 16	8,289 28
Male & Female Col'd No. 10.	4,289 75	205 02	.....	118 88	469 75	21 60	89 09	457 18	5,194 09
Female Colored No. 1.....	4,614 85	80 93	75 00	.....	100 00	.....	6 98	95 18	4,877 76
" " 2.....	3,657 50	26 75	37 00	14 40	143 21	36 95	7 04	105 30	3,922 85
" " 3.....	5,376 85	94 84	42 00	.....	273 43	22 50	8 71	169 85	5,818 33
" " 4.....	5,043 90	99 74	44 00	.....	104 75	.....	15 35	109 80	5,323 72
" " 5.....	2,747 25	60 85	25 00	130 88	154 51	26 50	4 87	66 91	3,149 86
" " 6.....	3,117 15	28 70	37 00	5 19	157 30	15 00	3 06	62 76	3,363 40
" " 7.....	7,819 50	113 16	247 00	174 60	301 58	35 00	18 70	236 75	8,709 54
" " 8.....	5,039 75	115 52	35 00	15 20	130 09	36 93	16 55	89 34	5,389 04
" " 9.....	6,750 95	184 12	45 35	47 02	332 37	41 60	96 99	113 88	7,858 40
Totals, Colored.....	\$112,606 40	\$2,500 72	\$1,700 30	\$2,077 29	\$4,661 38	\$1,070 87	\$1,440 66	\$3,868 67	\$128,448 62
Annex, general expense.....									
" No. 1.....	\$3,990 75	\$204 41	\$222 60	.....	\$175 00	.....	\$1,998 47	.....	\$2,173 47
" " 2.....	12,342 25	434 80	77 05	\$138 14	307 15	\$84 54	25 36	\$45 21	4,916 95
" " 3 Male.....	4,524 25	183 24	48 00	307 35	503 75	335 93	92 04	423 02	14,093 17
" " 3 Female.....	4,104 30	141 89	17 00	178 40	190 50	19 00	14 00	238 56	5,157 39
" " 4.....	4,679 90	41 64	.....	.....	130 80	49 96	35 59	205 28	5,075 37
" " 5.....	3,639 20	25 10	31 50	60 00	267 75	54 45	18 33	74 54	5,153 57
" " 6.....	5,587 95	110 44	53 80	50 00	142 75	189 97	96	127 65	4,701 78
" " 7.....	6,218 20	103 76	58 73	54 00	311 25	36 08	58 81	367 74	6,158 53
" " 8.....	10,537 50	193 83	47 20	5 00	269 00	128 30	19 64	299 05	6,802 63
" " 9.....	5,202 00	31 03	43 48	256 50	654 00	57 20	78 18	520 76	11,824 41
" " 10.....	3,329 50	155 97	19 35	.....	605 10	20 00	8 01	175 40	5,909 62
" " 11.....	7,613 40	210 63	.....	22 75	266 75	134 05	49 90	173 86	3,978 27
" " 13.....	10,032 25	265 77	21 00	89 45	873 40	51 32	13 97	330 69	8,852 17
" " 14.....	2,866 70	65 00	15 90	5 60	692 50	99 50	108 73	507 83	11,225 35
				4 90	135 13	43 67	25 37	103 95	3,426 67

TABLE B—Continued.

SCHOOLS.	Salaries.	Rents.	Books and Stationery.	Heating Apparatus and Repairs.	Furniture.	Fuel.	Repairs and Cleaning.	Incidentals, Printing, Etc.	Free Books.	Totals.
Annex No. 15.....	4,294 75	.....	\$236 69	\$4 50	\$293 55	\$766 90	\$30 50	\$24 49	\$392 92	\$5,651 38
" " 16 Male.....	4,290 45	.....	155 57	84 00	133 20	209 00	23 35	12 00	50 28	4,907 57
" " 16 Female.....	3,820 70	.....	107 79	68 00	97 14	183 25	16 50	1 82	50 77	4,295 20
" " 17.....	3,151 20	.....	99 99	7 75	6 00	412 35	97 45	57 26	58 07	3,832 00
" " 18.....	4,662 35	\$450 00	70 40	54 20	12 50	39 10	43 14	31 50	129 60	5,363 19
" " 19.....	2,571 40	.....	134 09	50 07	409 46	151 75	59 80	49 93	220 38	3,426 50
" " 1 Colored.....	2,261 35	120 00	60 43	8 50	77 84	120 00	35 35	5 75	56 95	2,689 22
" " 2 ".....	1,393 90	300 00	31 16	24 98	11 43	92 50	19 00	2 33	34 27	1,875 30
" " 3 ".....	1,788 00	.....	18 88	19 88	20 82	122 00	34 19	.....	44 17	2,003 77
" " 4 ".....	.....	100 00	.....	.....	.....	.....	10 00	.....	.....	110 00
Totals, Annex.....	\$112,902 25	\$2,579 83	\$3,082 51	\$777 49	\$2,234 03	\$7,621 68	\$1,673 25	\$2,732 44	\$4,630 95	\$133,603 48
Night Bohemian.....	\$623 50	.....	\$12 81	.....	.....	.....	\$4 00	\$13 80	\$106 32	\$654 11
" " No. 1.....	229 50	.....	3 08	.....	.....	.....	.....	.....	20 64	232 58
" " 2, Male.....	623 50	.....	3 10	.....	.....	.....	.....	.....	77 00	626 60
" " 2, Female.....	400 50	.....	28 45	.....	.....	.....	.....	42 75	102 00	471 70
" " 3.....	297 00	.....	2 18	.....	.....	.....	.....	.....	35 58	299 18
" " 5.....	219 00	.....	.....	.....	.....	.....	.....	9 46	6 48	228 40
" " 8.....	294 00	.....	.....	.....	.....	.....	.....	.....	.....	294 00
" " 11.....	265 50	.....	.....	.....	.....	.....	.....	3 00	.....	268 50
" " 12.....	604 50	.....	.....	.....	.....	.....	.....	.....	95 74	604 50
" " 17.....	589 50	.....	8 62	.....	.....	.....	.....	.....	21 04	598 12
" " 1, Colored.....	369 00	.....	5 70	.....	.....	.....	.....	.....	40 13	374 70
" " 3.....	510 00	.....	.....	.....	.....	.....	.....	.....	.....	510 00
" " 4.....	267 00	.....	.....	.....	.....	.....	.....	.....	.....	267 00
" " 7, Annex.....	502 50	.....	94	.....	.....	.....	.....	13 27	28 20	516 71
Totals, Night.....	\$5,795 00	.....	\$64 88	.....	.....	.....	\$4 00	\$82 92	\$533 13	\$5,946 10

TABLE B—Concluded.

SUMMARY OF THE ITEMIZED EXPENDITURES OF THE SEVERAL GRADES OF SCHOOLS.

[illegible]

TABLE C.

SHOWING THE LOCATION OF SCHOOLS, SIZE OF LOTS, AMOUNT OF GROUND RENTS, AMOUNT PAID ON ACCOUNT OF LOTS,
SIZE OF BUILDINGS, ESTIMATED VALUE OF BUILDINGS AND DATE OF ERECTION.

SCHOOLS.	LOCATION.	Size of Lot.	Amount of (ground Rent.	Amount Paid on Account of Lot.	Size of Building.	Esti- mated Value of Build- ing.	Date of Erection.
Baltimore City College.	Howard, opposite Centre.....	208 ⁶ x 240	\$4,600 00	\$50,000 00	155 ¹⁰ x 221 ⁸	\$203,639	1896
E. F. High School....	Aisquith and Orleans.....	102 x 210	540 91	2,651 50	102 x 56	80,000	1868
W. F. High School....	Side lot and rear building.....	39 x 180	75 00	15,000 00	51 x 58	.....	.....
	McCulloh and Lafayette avenue, 2387 x 230		.....	70,666 66	86 ⁵ x 191 ¹¹	125,970	1895
	Courtland, near Saratoga (old building).....	82 x 90	.....	6,437 75	44 x 90	18,000	1868
	Courtland, near Saratoga (new building).....	62 ⁶ x 90	.....	.....	.....	.....	.....
Polytechnic Institute	Courtland, near Saratoga (addi- tional lot).....	37 ⁶ x 90	.....	10,000 00	.....	.....	.....
Male G. and P. No. 1.	N. E. corner Fayette and Greene.	97 x 102	354 00	9,000 00	83 x 96 ⁷	25,000	1880
Female G. and P. No. 1	S. W. " "	77 ⁶ x 170	1,094 75	.....	62 x 140	27,000	1875
	Broadway and Bank.	100 x 141	244 44	.....	101 x 39	30,000	1888
Grammar No. 2.....	Broadway and Bank (rear bldg.).	.....	.....	.....	52 x 87	.....	.....
G. and P. No. 3.....	High, near Fayette.	80 x 167*	900 00	.....	50 x 145	28,800	1875
Grammar No. 4.....	Sharp, near Montgomery.....	100 x 155	600 00	.....	56 x 85	18,000	1869
" " 5.....	Greenmount avenue and Eager.	63 x 150*	600 00	.....	55 x 100	17,000	1872
" " 6.....	Division, near Lanvale.....	104 ² x 171 ³	800 00	.....	55 x 120	21,000	1877
" " 7.....	Eastern avenue, and Burke...	100 x 150	350 00	.....	52 x 136	24,000	1880
" " 8, old....	Hollins, near Monroe..	140 x 129	700 00	.....	54 x 112	18,000	1877
" " 8, new..	Hollins and Monroe.....	Old lot.	.....	.....	55 x 104	21,000	1890

Grammar No. 10	William and Warren avenue...	70 x 140	\$175 00	.....	44 x 103	\$13,000 1850
" " 11	Bond and Jefferson.....	70 x 152 ³	19 00	\$8,700 00	56 x 116	20,000 1884
" " 12	Ridgely, near Fremont.....	124 x 155	620 67	.....	73 x 125	25,000 1877
" " 13	Aisquith, near Lexington.....	80 x 180	25 00	17,100 00	44 x 100	17,000 1870
Male Grammar No. 15.	Carrollton ave., near Lexington.	100 x 160 ⁴	400 00	.....	55 x 107	20,000 1860
Female Grammar No. 15.	Carrollton ave. and Lexington.	49 ⁶ x 103	.....	10,000 00	49 x 135	20,000 1886
Grammar No. 16.	Hull and Clement (Locust Point)	100 x 155 ³	350 00	.....	56 x 113	18,000 1882
" " 17	Washington, near Fayette.....	93 x 190	581 25	.....	52 x 119	20,000 1871
" " 18	Harlem avenue and Monroe.....	85 x 249 ⁶	480 00	.....	56 ⁴ x 143 ⁶	30,500 1893
Gram. and Prim. No. 19.	Park avenue and Hoffman.....	120 x 150	1,020 00	.....	100 x 147	35,000 1892
Grammar No. 20.	Eden and Federal.....	180 ⁶ x 100	.....	8,000 00	60 x 124	33,000 1890
" " 21	Presstman and Gilmer.....	102 ⁵ x 155	620 00	.....	55 x 121	32,000 1876
" " 22	Mulberry, near Fremont.....	87 ⁸ x 134	350 67	.....	54 x 85	15,000 1868
Eng.-Ger. " 1, old...	Druid Hill avenue, near Biddle.	75 x 100	150 00	.....	44 x 100	12,000 1841
" " 1, new..	Pennsylvania ave. and Dolphin.	189x80 (110)	1,147 50	.....	56 ⁴ x 138	26,000 1893
" " 2	Charles and Ostend.....	74 ⁶ x 219 ²	372 50	.....	56 x 450	28,000 1882
" " 3	Baltimore, near Aisquith.....	120 x 170	1,300 00	5,000 00	54 x 118	28,000 1879
" " 4	Chase and McDonogh.....	80 x 223	501 75	.....	56 x 183 ²	30,500 1882
" " 5	Lexington, near Fremont.....	81 x 220 ⁶	.....	15,000 00	60 x 124	25,000 1890
" " 6	Ramsay and Smallwood.....	178 ⁷ x 165 ⁶	.....	4,000 00	53 x 135	36,885 1895
Primary " 2	Gough and Stiles.....	75 x 92	250 00	3,500 00	32 x 55	9,000 1854
" " 4	Hanover and Lee.....	105 x 81	270 00	4,000 00	92 x 92	35,000 1896
" " 5	Broadway and Ashland avenue.	120 x 120	600 00	.....	60 x 113	24,000 1876
" " 6	Ann, near Canton avenue.....	63 x 140	112 50	6,800 90	46 x 100	14,800 1878
" " 7	Mullikin, near Aisquith.....	74 x 100	**	.....	45 x 65	5,000 1864
" " 8	Caroline, near Lombard.....	105 ⁵ x 150	221 34	6,200 00	94 ⁷ x 59 ⁷	18,000 1888
" " 10	Hollins, near Schroeder.....	60 ⁸ x 134	200 00	.....	46 x 70	6,000 1855
" " 11	Gilmer and Mosher.....	126 ² x 156 ¹⁰	757 00	.....	57 ⁹ x 104	30,000 1886
" " 12	" " (rear building)	.....	.....	.....	307 x 105 ⁶	..... 1889
" " 13	Barre and Warner.....	67 x 120	268 00	.....	55 x 84	16,000 1870
" " 14	Patterson Pk ave. & McElderry	155 x 115	530 00	.....	55 x 105	21,000 1890
" " 15	Linden avenue and Wilson.....	105 x 150	840 00	.....	55 x 117	20,000 1882
" " 16	Saratoga and Carrollton avenue.	100 x 150	700 00	.....	50 x 120	19,000 1872
" " 17	Harford and Ashland avenues..	105 x 158 [*]	790 00	.....	56 x 113	19,000 1876

TABLE C—Concluded.

SCHOOLS.	LOCATION.	Size of Lot.	Amount of Ground Rent.	Amount Paid on Account of Lot.	Size of Building.	Estimated Value of Building.	Date of Erection.
Primary No. 17.	Light and Poultney.	62 ¹ x 122	\$217 00	\$800 00	50 x 72	\$10,000	1875
" 18.	Argyle avenue, near Lanvale.	80 x 140	315 00	.....	45 x 68	13,000	1858
" 20.	Eden and Preston.	100 x 207	592 00	6,000 00	51 x 167	35,000	1868
" 21.	Pennsylvania ave. and Robert.	80 x 155	320 00	.....	50 x 80	16,000	1869
" 22.	Ramsay, near Scott.	71 x 128 ⁶	177 50	.....	45 x 95	10,000	1855
" 23.	Gough and Wolfe.	75 x 110	150 00	2,400 00	57 ⁹ x 104	19,000	1886
" 24.	Fait avenue and Patuxent.	150 x 100	.....	7,500 00	77 x 86	21,000	1890
" 25.	Caroline, near Canton avenue.	129 ⁶ x 110	.....	14,962 50	93 x 90	25,000	1892
" 26.	Orleans, near Bond.	84 x 75	126 00	4,500 00	50 x 65	15,000	1874
" 27.	Fayette and Chester.	92 x 120	274 50	.....	48 x 72	18,000	1869
" 28.	Battery avenue and Clement.	75 x 82	270 00	1,000 00	46 x 82	15,000	1869
" 29.	Sharp, near West.	114 x 155	570 00	.....	55 ⁹ x 104	21,600	1886
" 30.	Hollins, near Monroe.	150 x 129 ⁶	750 00	.....	55 x 82	16,000	1874
" 31.	Schroeder and Pierce.	60 x 122	228 00	2,500 00	37 ⁴ x 102	21,000	1890
" 32.	Guilford avenue and Lanvale.	80 x 154	.....	11,800 00	67 x 98	21,000	1890
" 33.	Light and Clement.	100 x 160	.....	10,000 00	67 x 98	21,000	1890
" 34.	Carey and Columbia avenue.	100 x 100	385 00	.....	113 x 58	30,000	1896
" 35.	Hanover and Winder.	132 x 198	.....	6,700 00	48 ⁶ x 114 ²	28,297	1895
" 37.	Biddle and Patterson Park ave.	165 x 150	.....	8,500 00	89 x 61	25,000	1896
F. Primary No. 38, old.	Chesapeake & Hudson (Canton).	80 x 100	.....	.....	32 x 50	5,000	1853
Col. Manual Training.	Fremont, near Lombard.	74 x 150	.....	1,200 00	44 x 65	8,000	1843
H. & G. & F. C. No. 1.	Saratoga, near Charles.	66 x 193	600 00	16,000 00	52 ² x 126 ³	25,000	1888
Colored Grammar No. 2.	Jefferson, near Caroline.	83 ⁶ x 80	200 00	1,350 00	32 x 80	5,000	1855
" " 3.	Howard and Montgomery.	50 x 104	160 00	8,000 00	40 x 64	6,000	1872
Colored Primary No. 2.	Rogers avenue, near Lexington.	75 x 105	25 00	5,125 00	49 x 80	13,000	1874

Colored Primary No. 3.	Hill, near Sharp ..	99 x 90 (155)	192 00	11,300 00	76 ⁶ x 133 ¹¹	27,000 1893
" " 4.	Biddle, near Pennsylvania ave.	70 x 150	70 00	5,000 00	40 x 92	10,000 1870
" " 5.	Caroline, near Bank ..	76 x 90	135 00	4,800 00	45 x 65	8,000 1867
" " 6.	Barre, near Eutaw ..	65 x 112	300 00	.....	40 x 80	10,000 1854
" " 7.	Waesche, near Fremont avenue.	143 ⁹ x 129*	480 00	.....	59 x 120	22,000 1877
" " 8.	Bond and Ashland avenue.	80 x 80	130 00	.....	40 x 54	7,000 1864
New lot for No. 8.	Ashland ave. and Chester street.	133 x 200	829 00	.....	.....	.....
Colored Primary No. 9.	Carrollton and Riggs avenues ..	97 ¹ x 157	.....	7,000 00	52 ⁴ x 97 ⁵	19,000 1888
New lot for No. 9.	Carey and Chappell ..	135 ⁹ x 142	600 00	.....	109 x 65	.....
Colored Primary No. 10	Girard ave. and Sherman Place.	120 x 124	.....	7,200 00	68 ⁵ x 77 ⁴	23,968 1895
Primary No. —	Summit and Monroe ..	72 ⁴ x 245	.....	9,500 00	.....	.....
Annex No. 1.	Homestead, Gorsuch avenue ..	42 x 90	.....	1,000 00	35 x 50	4,500
" " 2.	Waverly, York road ..	100 x 200	.....	4,000 00	35 ⁶ x 90	.....
" " 3, Male	Rear building ..	.....	.....	.....	50 x 33	14,500
" " 3, Female ..	Oak and Fifth (Twenty-fourth).	60 x 122	.....	4,000 00	50 x 60	10,000
" " 4.	St. Paul and Twenty-sixth sts.	100 x 123	.....	10,000 00	100 x 123	.....
" " 5.	Chestnut and Fourth avenues ..	176 ⁸ x 230	.....	5,000 00	55 x 105	21,000 1890
" " 6.	Hampden, Merryman's lane.	87 x 240*	.....	1,000 00	71 x 24	1,000
" " 7.	Same as No. 4.	.....	.....	.....	.....	.....
" " 8, old	Woodberry, on Woodberry ave.	45 x 130	22 50	.....	37 x 96	10,000
" " 8, new	Clifton, on Clifton avenue.	40 x 150	.....	2,000 00	40 x 90	4,000
" " 9.	Francis, near Fulton avenue.	150 x 150	480 00	.....	64 ⁴ x 105	25,000 1893
" " 10.	Calverton, Bloomingdale road ..	75 x 169	.....	1,500 00	60 x 100 ⁷	15,500 1893
" " 11.	Carroll, Old Frederick road	60 x 225*	01	2,000 00	52 x 27	4,500
" " 12.	Millington avenue and Lehman.	80 x 200*	240 00	.....	64 x 119	21,000 1892
" " 13.	North avenue and Washington.	80 x 150	.....	5,000 00	66 x 120	25,000 1891
" " 15.	N. E. cor. Ninth and Northwest.	128 x 194	.....	4,718 66	66 ⁵ x 106	25,000 1894
" " 16.	Huntingdon ave., near Charles.	100 x 150	.....	7,000 00	.....	18,000 1890
" " 17.	Old Frederick rd. & Fairview av.	150 x 257*	360 00	.....	67 x 92	15,000 1892
" " 18, new lot.	Linden avenue and Konig ..	165 x 150	1,155 00	.....	136 ⁸ x 70 ⁵	.....
Annex Colored No. 1.	Waverly, Merryman's lane.	127 ⁵ x 326*	50 00	.....	24 ⁶ x 48	700
" " 3.	Frederick road, near toll-gate ..	41 x 283*	50 00	1,000 00	24 x 108	1,000

* Irregular in form. † Occupied by Baltimore City College. ** House built on the rear of lot leased for E. F. H. School.

Total amount paid on account of lots. \$459,412 07
 Total value of buildings, actual or estimated. 2,159,959 00
 Amount of ground rents in the above list. 35,124 79

TABLE D.

SHOWING LOCATIONS OF RENTED BUILDINGS, BY WHAT SCHOOLS OCCUPIED,
AND AMOUNTS OF RENTS PAYABLE.

General storage, Hasselberger court.....	\$300 00
Public School Library, 310 St. Paul street.....	300 00
Grammar No. 2, 402 and 404 South Bond street.....	480 00
Male Grammar No. 4, Sharp and Henrietta streets.....	264 00
Male Grammar No. 8, Frederick avenue and Monroe street....	252 00
Male Grammar No. 9, 808 North Calvert street.....	540 00
Male Grammar No. 10, William and Hamburg streets.....	180 00
Male Grammar No. 20, Caroline street, near North avenue....	300 00
Female Grammar No. 9, 411 Courtland street.....	600 00
Female Grammar No. 10, 125 Warren avenue.....	300 00
Female Grammar No. 20, Harford avenue and Federal street...	375 00
English-German No. 3, Baltimore and Aisquith streets....	900 00
English-German No. 6, Lombard street, near Wilkens avenue..	600 00
English-German No. 7, 1732 East Fayette street.....	400 00
English-German No. 7, 117 Jackson Place.....	550 00
Primary No. 3, 118 North High street.....	600 00
Primary No. 6, Canton avenue, near Broadway.....	300 00
Primary No. 12, 611 Barre street.....	300 00
Primary No. 21, northeast corner Patterson avenue and Stricker street.....	480 00
Primary No. 22, 786 Columbia avenue.....	264 00
Primary No. 38, Chesapeake and O'Donnell streets.....	1,200 00
Male and Female Primary No. 36, 2223 East Baltimore streets..	900 00
Male Colored No. 1, 413 Courtland street.....	775 00
Male Colored N. 8, Bond and Madison streets.....	420 00
Male Colored No. 8, 824 North Bond street.....	300 00
Male Colored No. 9, 2211 Pennsylvania avenue.....	600 00
Colored Grammar No. 1, 13 East Saratoga street.....	480 00
Female Colored No. 9, Gold and Calhoun streets.....	360 00
Annex No. 1, Homestead.....	144 00
Female Annex No. 3, 118 West Twentieth street.....	550 00
Annex No. 5, Hickory avenue, near Fourth avenue.....	600 00
Annex No. 14, Park Heights avenue.....	360 00
Annex No. 18, 1823 Park avenue.....	450 00
Annex Colored No. 1, Merryman's lane.....	120 00
Annex Colored No. 2, Calverton road and Edmondson avenue.	300 00
Total amount of rents.....	\$15,844 00

SCHEDULE

— OF —

Salaries of Officers and Teachers of Public Schools.

GENERAL EXPENSE ROLL.

Superintendent of Public Instruction.....	\$2,500
Assistant Superintendent.....	2,000
Secretary.....	2,000
Assistant Secretary.....	1,500
Superintendent of Supplies.....	1,800
Librarian.....	1,200
Clerk to Secretary.....	1,000
Superintendents of Music, each.....	1,500
Librarian of Public School Library.....	900
Supervisor of Drawing.....	720
Teachers of Drawing, each.....	500
Directress of Sewing.....	600
Teachers of Sewing, each.....	500

BALTIMORE CITY COLLEGE.

President.....	\$2,400
Vice-President.....	2,200
Professors (not otherwise specified).....	2,000
Professor of Writing and Bookkeeping and Secretary to Faculty...	2,000
Professor of Drawing.....	1,800
Adjunct Professors.....	1,800
Tutors.....	1,000

FEMALE HIGH SCHOOLS.

Principals.....	\$2,400
First Assistants.....	1,008
Other Assistants and Teachers, each.....	900

BALTIMORE POLYTECHNIC INSTITUTE.

The present President of this school is an officer of the United States Navy, detailed for service at this school, and receives from this Board.....	
Board.....	\$1,500
Vice-President.....	1,200
Instructors.....	1,200
Assistants.....	\$600, \$720, \$900, 1,000

COLORED MANUAL TRAINING SCHOOL.

Principal.....	\$900
Instructors.....	900
Assistants.....	600

MALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals.....	\$1,296	\$1,404	\$1,500
First Assistants (male)	804	900	.....
First Assistants (female).....	588	672	.....
Second Assistants.....	456	516	.....
Third Assistants.....	444	504	.....

ENGLISH-GERMAN SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals.....	\$1,296	\$1,404	\$1,500
Vice-Principals.....	804	900	1,008
First Assistants (English female).....	564	648	.....
First Assistants (German male).....	600	.....	.....
Teachers in charge of lowest grade.....	444	468	504

Other assistants in grammar grades, same as third assistants in male grammar schools.

Assistants in primary grades, same as assistants in primary schools.

FEMALE GRAMMAR SCHOOLS.

	1st Year.	2d Year.
Principals.....	\$804	\$900
First Assistants.....	564	648
Second assistants.....	444	504
Third Assistants.....	432	480

MALE AND FEMALE PRIMARY SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals.....	\$600	\$696	....
Assistants.....	408	432	\$468
Teacher in charge of lowest grade.....	444	468	504

COLORED HIGH SCHOOL.

The same as female high schools.

COLORED GRAMMAR SCHOOLS.

Principals and assistants the same as male grammar schools.

COLORED PRIMARY SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals (male).....	\$804	\$900	....
Principals (female)	600	696	....
First Assistants (male)	700	.....	....
Assistants (female).....	408	432	\$468
Teacher in charge of lowest grade.	444	468	504

INTERMEDIATE SCHOOLS.

	1st Year.	2d Year.	3d Year.
Principals (males).....	\$1,200	....	....
Principals (females).....	804	....	....
First Assistants.....	600	....	....
Teacher in charge of lowest grade.....	444	\$468	\$504

Other assistants in grammar grades, same as third assistants in female grammar schools.

Assistants in primary grades, same as assistants in primary schools.

UNCLASSIFIED SCHOOLS.

Composed of Primary and Grammar Scholars and Not Otherwise Designated.

	1st Year.	2d Year.	3d Year.
Principals.....	\$696	\$780	\$900
First Assistants	504	552	600

SATURDAY NORMAL CLASS.

Principal	\$200
Assistants.....	150

NIGHT SCHOOLS.

Principals, \$2.50 per night for actual service.

Assistants, \$1.50 per night for actual service.

THE SCHEDULE OF SALARIES TO BE SUBJECT TO THE FOLLOWING CONDITIONS:

All below the grade of second assistant in male and female grammar schools to be graded as third assistants, the Board of School Commissioners to determine at the annual election the grade of each assistant; in case of failure to do so the senior assistant to grade highest in all cases.

In male and female grammar schools not employing three assistants, the lowest assistant shall rank as third assistant, and so continue until there are three assistants employed in that school, excepting the first assistant, who shall in all cases rank as first assistant.

Teachers who may have served for *two full* years in any of the public schools of Baltimore, upon promotion to grammar schools shall be entitled to the second year's salary of that grade to which they may be assigned (excepting that of principal), and teachers who shall have served *three full* years, counting the time served in the public schools of Baltimore, and the time served in any school or schools of recognized

merit, shall be entitled to the highest salary of the grade to which they shall be assigned (excepting the grade of principal of grammar school), from and after the date upon which they submit satisfactory written evidence of that fact to the President of the Board, who shall be vested with power to decide.

Teachers elected during the month of September shall receive the full salary for the months of July and August of the succeeding year; those elected in October shall receive nine-tenths of said salary; in November, eight-tenths, and so on to the close of the scholastic term.

Any teacher who shall have served the usual probationary period of ninety days before the close of the scholastic year, and who shall be elected at the annual election, shall receive her proper proportion of salary for July and August.

When transfers are made from one school or position to another, the teacher transferred shall draw the salary of the position from which he or she has been transferred till the end of the month in which the transfer shall be made.

SALARIES OF JANITORS, JANITRESSES AND FIREMEN.

Janitor and fireman of Baltimore City College	\$1,000
Assistant fireman of Baltimore City College.....	600
Janitor of Baltimore Polytechnic Institute.....	720
Fireman of Baltimore Polytechnic Institute	720
Janitor of Baltimore Polytechnic Institute, new building	720
Fireman of Eastern Female High School.....	480
Fireman of Western Female High School.....	720
Janitress of Eastern Female High School.....	300
Janitress of Western Female High School	420

Fireman and engineer of No. 3 English-German School, \$40 per month; for large furnaces in schools having the Smead system, each \$10 per month; other systems as specially fixed by the Board, and for hot-air furnaces \$5 each per month.

Janitresses of schools having 3 class-rooms shall receive \$9 per month; 4 class-rooms, \$10 per month; 5 class-rooms, \$11 per month; 6 class-rooms, \$12 per month, and increase \$1 per month for each additional class-room. They shall receive additional compensation for making fires in stoves from October to April, inclusive, at the rate of 75 cents per month for each stove on the first floor and \$1 for each stove on the second floor, and \$1.25 for each stove on the third floor. The salaries of janitresses of schools containing more than 12 class-rooms, and of janitresses of buildings used as branches of schools, shall be fixed by the President and Secretary, subject to the approval of the Board.

Janitresses of night schools, \$5 per month; firemen of night schools, \$4 per month.

REPORT

OF THE

Superintendent of Public Instruction.

BALTIMORE, January 1, 1897.

*To the Honorable the Mayor and City Council, and the
Board of School Commissioners of Baltimore City,*

GENTLEMEN: The following report of the condition and statistics of the schools for the year ending December 31, 1896, is submitted for your consideration.

SUMMARY OF STATISTICS.

Population of Baltimore—White, 384,394; colored, 71,033;	
United States census, 1890.....	455,427
Enrollment, school census, 1888.....	110,731
School age.....	6-21
Basis of taxation.....	\$332,665,978
School tax—City, 37½ cents; State, 10½ cents.....	48 cents.
Number of pupils on roll December 31, 1896.....	63,087
Increase during the year.....	1,816
Number of pupils in school during the year.....	76,192
Number of teachers December 31, 1896, exclusive of special teachers.....	1,673
Increase.....	93
Number of schools December 31, 1896.....	173
Increase.....	2
Percentage of attendance on enrollment.....	85.7
Increase.....	1.7

HIGH SCHOOLS AND COLLEGE.

Number of pupils on roll December 31, 1896.....	1,766
Increase.....	19
Percentage of attendance.....	93
Increase.....	1
Number of pupils to a teacher on enrollment.....	38
(Same as last year).	
Number of pupils to a teacher on average attendance..	35
(Same as last year).	

POLYTECHNIC INSTITUTE.

Number of pupils on roll December 31, 1896.....		525
Increase.....	3	
Percentage of attendance.....		92
Decrease.....	2	
Number of pupils to a teacher on enrollment.....		24
(Same as last year).		
Number of pupils to a teacher on average attendance..		22
(Same as last year).		

GRAMMAR SCHOOLS.

Number of pupils on roll December 31, 1896.....		15,210
Increase.....	726	
Percentage of attendance.....		88
(Same as last year).		
Number of pupils to a teacher on enrollment.....		37
Decrease.....	1	
Number of pupils to a teacher on average attendance..		32
(Same as last year).		

ENGLISH-GERMAN SCHOOLS.

Number of pupils on roll December 31, 1896.....		7,049
Increase.....	726	
Percentage of attendance.....		91
Increase.....	1 per cent.	
Number of pupils to a teacher on enrollment.....		40
Decrease.....	1	
Number of pupils to a teacher on average attendance..		36

PRIMARY SCHOOLS.

Number of pupils on roll December 31, 1896.....		22,099
Decrease.....	102	
Percentage of attendance.....		83
(Same as last year).		
Number of pupils to a teacher on enrollment.....		37
Decrease.....	2	
Number of pupils to a teacher on average attendance..		31
Decrease.....	1	

COLORED SCHOOLS.

Number of pupils on roll December 31, 1896.....		8,302
Increase.....	395	
Percentage of attendance.....		80
Increase.....	2 per cent.	
Number of pupils to a teacher on enrollment.....		36
Decrease.....	3	
Number of pupils to a teacher on average attendance..		29
Decrease.....	2	

ANNEX SCHOOLS.

Number of pupils on roll December 31, 1896.....		7,916
Increase.....	365	
Percentage of attendance.....		82
Increase.....	1 per cent.	
Number of pupils to a teacher on enrollment		41
(Same as last year).		
Number of pupils to a teacher on average attendance..		34

ACCOMMODATIONS.

Baltimore City College.—The new building in course of erection for the use of this school is very much needed. The building occupied at this time is too small, and does not afford many necessary facilities for the efficient conduct of the school. Other considerations also demand that the new building should be finished and occupied by the College. English-German School No. 1 will then be moved to the building now occupied by the College, and a portion of Colored School No. 4 will occupy the building vacated by No. 1 English-German School. Colored School No. 4 is greatly in need of increased accommodations, and it is highly important, in the interests of these three schools, that this arrangement should be carried out as speedily as possible.

Eastern Female High School.—This school is in need of additional class-rooms and other facilities for properly carrying on its work. As there is sufficient ground for the purpose, it would be well to erect an addition to the building large enough to supply what is needed by the school.

No. 1 Male Grammar School.—There are several class-rooms not in use in the building occupied by this school.

Grammar School No. 2.—Neither department has a sufficient number of class-rooms, and classes have to be taught in rented buildings. As the Inspector of Buildings has decided that the walls are strong enough, a third story should be added, which would supply all the room needed.

Grammar School No. 6.—Both departments have for a long time been in need of additional class-rooms. Some of the classes of the female department are now taught in a dwelling house at some distance from the school. This section of the city is not supplied with the amount of school space necessary to meet the wants of the children residing within its limits.

Grammar School No. 7.—Additional class-rooms are needed

by both departments of this school. Some of the classes are taught in a rented, unsuitable house, located at some distance from the main building. This section of the city is increasing in population, and it is important that this matter should receive due consideration.

Grammar School No. 8.—One class of the male department has to be taught in a rented room in the neighborhood on account of a lack of sufficient room in the main building.

Grammar and Primary School No. 9.—The male and female departments of this school have been conducted in rented dwelling-houses in the neighborhood since the building they occupied was taken for the use of the Polytechnic Institute. The buildings they occupy are not suitable for school purposes. On account of the dark, small and badly ventilated class-rooms, parents residing in the district are unwilling to send their children to these schools, consequently many of them have been allowed to attend No. 19 Grammar and Primary, and No. 32 Primary, which are full or overcrowded.

Grammar School No. 10.—Both departments require additional class-rooms. Some of the classes are taught in rented dwellings entirely unsuitable for the purpose. It is recommended that the house occupied by this school be used by No. 17 Primary School, whose building is not fit for use and should be abandoned, and a new building, large enough to accommodate No. 10 Grammar School, be built southeast of its present location. This part of the city has been built up to the south and east very considerably within the last few years, and as the erection of dwellings on the ground yet unoccupied will continue, by carrying out these recommendations this neighborhood will be adequately supplied with grammar school facilities for some time to come.

Grammar School No. 11.—Both departments need additional accommodations. Two classes are taught in small reception rooms. Both on account of health and instruction it is necessary to provide additional class-rooms for the use of this school.

Grammar School No. 19.—The primary and grammar schools occupying the building on the corner of Park avenue and Hoffman street have increased to such an extent as to require additional class-rooms. Some of the pupils enrolled in these schools live in the districts of other schools, in some of which there is ample room, while others live outside of the city. Hereafter when receiving new pupils into these schools—either new admissions, promoted or transferred

pupils—those living in districts in which there is room for their accommodation should be required to attend school in their own district, and non-resident pupils should be admitted after resident pupils have been accommodated. When the building in course of erection on Linden avenue and Konig street for the use of Annex School No. 18 is opened, it is expected that the conditions of the four schools occupying this building will be materially changed for the better.

Grammar School No. 20.—In both departments the new building erected a short time ago and afterwards enlarged by the addition of four class-rooms is greatly overcrowded, and it is necessary both on account of the health and instruction of the pupils to provide increased accommodations. Classes of both departments are taught in rented buildings in the neighborhood. Some of the pupils enrolled live in the district of No. 5 Grammar School, in which there is room for their accommodation. Hereafter when new pupils are received into this school—either by permit, promotion or transfer—those who live in districts in which there is room for their accommodation should be required to attend school in their own district.

English-German School No. 1.—The building used by this school is to be occupied by a part of Colored School No. 4 when the college vacates the building on Pennsylvania avenue and Dolphin street. It is important that this arrangement should be speedily carried out.

English-German Schools No. 2 and No. 4 have a larger number of pupils than their buildings will properly accommodate, and it is necessary on account of the health and progress of the children that arrangements should be made for supplying these schools with healthful and adequate accommodations.

English-German School No. 7 occupies two rented dwelling houses, unsuitable for school purposes, fronting on Jackson Square. In considering propositions for the erection of school buildings, it is necessary to take into account not only the one school for which the building is to be supplied, but also the neighboring schools, and the effect the opening of the new school will have upon them. In this case the size and location of a building for the use of this school should be considered in connection with the following schools: Grammar Schools Nos. 2, 7, 11 and 17, and Primary Schools Nos. 5, 6, 13, 23, 26 and 27. The districts of English-German schools are necessarily very large and include those of many grammar and primary schools, and the loose manner in

which pupils are allowed to go to English-German schools is injurious to discipline and instruction, and causes the waste of school space.

Male Colored School No. 1 occupies a rented dwelling unsuitable for school purposes, located on Courtland street, and it is necessary to supply this school with a more suitable building.

Colored School No. 4 is greatly overcrowded, but when the building now occupied by English-German School No. 1 is vacated—which will be the case when the City College is transferred to its new building—if it is used for the female department of Colored School No. 4, as intended, the condition of this school will be greatly improved.

Colored School No. 8 is greatly in need of a suitable building. Only one class of the male department can be accommodated in the main building, the other rooms being occupied by the female department. Nearly all the classes of the male department have to be taught in rented rooms, not suitable in any respect for class-rooms. The principal under such circumstances has little opportunity to overlook the discipline and instruction of his classes. It is impossible for anything like good work to be done under such unfavorable conditions.

Colored School No. 10 is overcrowded, it being necessary in some cases for two classes of lower grade pupils to occupy the same room. The higher grammar grades are small, and there are vacant seats in some of the rooms in which they are accommodated.

Annex School No. 1, as has been stated in former reports, needs, or will in a short time need, four additional class-rooms. Two classes have to be taught in very small rooms in a rented dwelling house a short distance from the main building. This section is growing, and it is necessary to increase the main building. The number of pupils in the higher grammar grades is small, and it would be in the interest of economy and instruction for them to attend Annex School No. 2.

Annex School No. 2 has not a sufficient number of rooms to accommodate its classes. Several classes have to be taught in a rented building unsuitable for the purpose. The necessary steps should be taken at once to supply this growing locality with increased school facilities.

Annex No. 4 and Annex No. 6 are kept in the same building, located on Chestnut and Fourth avenues, Mount Vernon.

The building contains twelve class-rooms, and some of these are very much crowded. Besides the lack of proper conditions for instruction, the foul air occasioned by seating too many pupils in a room renders them dull and listless, and at the same time lays the foundation for disease. This part of the city is increasing in population, which will be more and more the case, as it has been made more accessible to the city proper by street railways, and it is important to give this subject proper consideration. All the grammar grade pupils in this vicinity should attend No. 6 or No. 7. This arrangement would to an extent relieve the overcrowded condition of No. 4 and No. 6, and at the same time place the smaller children in buildings nearer their homes.

Annex No. 7 needs an additional room for the use of one of its classes. It is necessary for two teachers to instruct their classes in one room. This is injurious to the health of the pupils, and seriously interferes with their instruction.

Annex No. 8 increased to such an extent during the year that it was found necessary to transfer some of the classes to the old building, formerly occupied by the school, which at one time was said to be unfit for use and abandoned. If it is determined to erect a new building in this locality, in deciding where it is to be located, its size and whether it is to be a primary or a grammar school, the condition of the schools located in the adjacent districts should be carefully considered. Grammar Schools No. 18 and No. 21 in that vicinity are full, except the vacant seats in some of the rooms occupied by the higher grade classes.

Annex Colored School No. 1 occupies two buildings on Merriyman's lane, Waverly—one rented—neither well suited for school purposes. This school is in need of suitable accommodations.

THE LOCATION AND CONSTRUCTION OF BUILDINGS.

The plans for new buildings, adopted by the Art Commission, appointed by the Mayor, will be of material service to the schools. They require that class-rooms, capable of seating fifty pupils, shall be of sufficient size to allow each pupil fifteen square feet of floor space, and have a window area equal to one-sixth of the amount of surface contained in the floor. The plans for ventilating and heating the buildings now under construction have been made by competent engineers.

It is very desirable to furnish every school with an assembling room, or to arrange the partitions separating several class-rooms, so that they may be moved out of the way and the rooms thrown into one for an assembling room. A room of this kind is very necessary for the efficient management of a school. The opening exercises can be held by the school in a body; it affords the principal the opportunity of making announcements to the entire school at one time; it permits the occasional assemblage of all the grades to engage in the recitation of selections, declamation, the reading of compositions, and to participate in the exercises held on the twenty-second of February, Arbor Day, etc., besides serving to unify the school and to put it more completely under the direction and supervision of the principal. As it may be considered too expensive to provide each school with a room to be used solely for this purpose, it is desirable that new houses shall be constructed so that several adjoining rooms, by the removal of partitions, may be converted into one, which may be used as an assembling room.

Buildings should be provided in proportion to the demand at whatever cost. It is a mistake to practice false economy in withholding from the schools what is really needed for the education of the children. The unwise policy of the past, which failed to supply the rapidly growing system with accommodations in proportion to its growth and needs, the movement of population from the interior to the outskirts of the city, and the annexation of a large and rapidly developing outlying territory, necessitate the expenditure of the requisite amount to furnish accommodations for many pupils who are now in the schools, and for others who desire to attend. Many primary classes are overcrowded to such an extent as not only to injuriously affect the health of the pupils, but also to interfere seriously with their instruction. Under no circumstances should two teachers be under the necessity of teaching both of their classes in a room intended for one class. In some of the rooms in which pupils of the primary grades are taught two teachers with their classes occupy one room. Two-thirds of the pupils attending the schools receive instruction in the primary grades, and when this is considered, together with the fact that here the foundation of their training is laid, and that many pupils do not stay in school long enough to advance beyond the primary grades, it is obvious that the primary schools should receive the most of our care and attention.

Population is moving from the older sections of the city to the outlying territory, which is daily becoming more accessible by means of new lines of street railway, and the fact should be recognized that it will become more and more necessary to provide increased accommodations for pupils residing in the outer portions of the city. These sections in the future will make greater and greater demands for new buildings. Whenever a new building is to be erected, it is unwise to consider only the conditions and needs existing at the time the house is built, but there should be taken into consideration also the conditions which will exist in the future. The location of a new house should be determined not alone by the population of the section, but also in connection with the surrounding circumstances—the probable increase of population, the condition of the schools already established in the vicinage, etc.

In order to be able to provide buildings intelligently and economically, it is necessary to enforce the rule requiring pupils to attend school in their own district, and also to fix definitely the seating capacity of each building. When new buildings are opened, in many instances, pupils who should attend other schools flock to and overcrowd the new buildings, while the space provided for them in their own district is left unoccupied. Much space in this way is rendered useless, and in the interests of economy and discipline it is very necessary to require pupils to attend the schools in their own district. When pupils live at convenient distances from school their attendance, especially in bad weather, is better than it would be otherwise, their parents may be more promptly communicated with, and their co-operation secured.

IMPROVEMENT OF TEACHERS.

The plan adopted by the Board, providing for increased supervision on the part of principals by giving them an additional assistant, so that more of their time may be devoted to visiting classes, seeing how the work of the assistants is being done, and doing what is necessary to improve the teaching, will be productive of great benefit to the schools. Although this arrangement has been so recently put into operation, one may see evidences of an awakening on the part of principals and teachers to the necessity of learning more about their work and becoming able to do it more successfully. A spirit of inquiry is manifest throughout the

teaching force, and better work is sure to follow. The teachers evince a desire to ascertain what works on education will be most serviceable to them, and what line of study they should pursue in order that they may better qualify themselves for their work. The fact is recognized more thoroughly that they must not only understand how to teach, so as to secure good educational results, but that it is also necessary for them to have a broader culture and to know more about the subjects they are called upon to teach. More interest is being taken in the grade meetings, and they are becoming more and more helpful to the corps of teachers of the primary and grammar schools, and it will be the effort of all concerned to increase their growth and usefulness, as they constitute one of the best means of improving the schools. The teachers' library plays an important part in the work of increasing the efficiency of the teachers. It is recommended in choosing books for this library, that none but the very best books on education be selected. A sufficient number of books most frequently called for should be placed in the library, so that teachers who call for them may not be disappointed in getting what they need. For the instruction of recently appointed teachers, and some of the others, it is very desirable that Saturday Classes, in charge of competent instructors, should be organized. At one time such classes were maintained by the Board with excellent results.

By means of more efficient supervision on the part of principals, the Grade Meetings, the Teachers' Library and Saturday Classes, substantial improvement of the teachers employed in the schools may be effected. And I desire most earnestly to request the Board and others connected with the schools to aid in putting these instrumentalities for improving the teaching force upon the best possible basis.

For incoming teachers it is necessary to establish a training school. All students entering this school should be required to pass an examination showing that they possess academic attainments equal to those of a graduate from a good high school. The health, personal character, etc., of applicants should also be considered. The school should provide instruction both in the theory and practice of teaching, so that those who are pronounced qualified to teach, may know the subjects to be taught, have a good knowledge of the history and science of education, and possess the ability to manage classes efficiently. Those who graduate from this school should constitute the eligible list for ap-

pointment to the lowest position in the schools. Appointees should be selected from this list in the order of merit. This plan would regulate appointments to the lowest position in the schools. To provide for promotions, examinations should be arranged for each of the different positions in the schools to which teachers may be promoted; such examinations to be open to persons who have served efficiently for a number of years. Lists of teachers eligible to promotion to the different positions in the schools, arranged in the order of merit ascertained by said examinations, should be thus made, and when a vacancy in any position higher than that of the lowest assistant is to be filled, the person whose name is highest upon the list containing the names of those eligible for promotion to the vacant position should be selected. The adoption of a satisfactory plan for the appointment and promotion of teachers would be most stimulative and improving to those intending to teach and to the teachers employed in the schools, and would also effect a beneficial influence on the students in all the schools, as those who were preparing themselves to teach would feel that success in securing a position depended entirely upon thorough qualification.

The perfection of these agencies—supervision, the merit system for appointment and promotion, means for improving the teachers already in the schools, and the establishment of a training school which will thoroughly qualify intending teachers—constitutes the line of work to be followed to bring the schools up to a higher standard of excellence.

In this connection, as has been repeatedly stated in these reports, it is in the highest degree necessary to put the course of study of the female high schools on a basis of equality with that of the City College. Inasmuch as the majority of our teachers receive their academic training in the high schools, it is most important that they should be thoroughly equipped, in order that the graduates may be most helpful in building up the schools in case they are employed to teach. Boys, in some cases, after receiving three years' instruction in the City College, pass the Hopkins examinations for matriculation, while the girls who graduate from the high schools are unable to enter the Woman's College except upon conditions. There are many excellent teachers in the high schools, and this condition is due to the insufficiency of the means provided in these schools for instructing the pupils in certain lines of work. Up to the time

the boys and girls leave the grammar schools to enter the high schools or the college, they have the same course of study and pass the same examinations for promotion, and after entering these schools is it not irrational to make such a marked difference in the courses of study? The condition of the primary and grammar schools is not only injuriously affected by reason of this discrimination against the education of the girls, but girls who wish to enter college after graduating from the high schools are not assisted in the prosecution of their plan of education to the extent the schools should help them.

SUPERVISION ON THE PART OF PRINCIPALS.

For the purpose of calling the attention of principals to the resolutions of the Board providing for increased supervision on the part of principals, and to advise them as to some of the most important steps to be taken in order to carry out the instructions contained in the resolutions in such a manner as to produce the greatest amount of good to the schools, the following circular was sent to the principals of all the schools:

The object of the circular is to direct your attention to the following resolutions adopted by the Board of School Commissioners:

“Principals of schools having an assistant to the principal, or a floating teacher, in addition to giving instruction to their own class, shall give not less than two hours a day to the supervision of their school, teaching and examining classes, observing the methods of instruction and discipline of the assistants, and advising them as to the best methods to pursue in order to accomplish their work successfully.

“Principals shall make a monthly report to the Superintendent, or the Assistant Superintendent as to the condition of the school, the instruction and discipline of the assistants, calling special attention to any whose attendance, conduct or methods of teaching are unsatisfactory. They shall also report as to the attendance and work of the teachers of sewing, music and drawing.”

Principals of primary schools, of primary schools in the Annex, and of colored primary schools, will send their reports to the Assistant Superintendent, and principals of the other schools will send theirs to the Superintendent.

Although these resolutions do not call for a report from

schools not having an assistant to the principal, or a floating teacher, yet, as the matter so importantly affects the best interests of the schools, and as the rules before these resolutions were adopted required all principals to see that their assistants were faithful and efficient in the discharge of their duties (Rules of Order, Art. VII, Sec. 14, p. 23), after consulting with the President and other members of the Board, it has been determined that reports are to be sent to the office by all principals. In making these monthly reports, principals of schools not having an assistant to the principal, or a floating teacher, will report upon the condition of the school to the extent their opportunities will enable them. This provision gives principals the requisite time for the supervision of their classes, so that they may know how their assistants are performing their work, and it should enable them to greatly improve their schools. The reports, called for, due on the last day of the month, should be written on one side of foolscap paper—for convenience of reference and filing—and they should cover the items mentioned in the resolutions, giving accurate information as to the condition of the entire school, and the means that are being employed for effecting needed improvements. The Board does not consider that the responsibility of the principal ceases when his own class is well instructed, but he is also required under these rules to see that the work of each of his teachers is being successfully accomplished. The supervision contemplated is not to be done in such a way as to cause the teachers uneasiness or annoyance, but by means of helpful advice, kindly assistance and intelligent direction as to methods of teaching and discipline, arrangements of programmes, etc., to bring about intelligent, effective instruction and management, so that the best educational results may be secured.

The following are some of the points I would mention requiring consideration by principals of primary and grammar schools: Teachers should make careful preparation daily before the opening of school, so as to be able to conduct nearly all of their recitations without the aid of text-books. This gives the teacher command of her class and the ability to teach with much more power and effectiveness. Disorder and inattention in classes during recitations are frequently due to the teacher's being occupied in finding out from some pupil where the lesson is, in reading up the answer to a question she has read from the book, or in having her entire attention confined to the text-book, learning the lesson her-

self, which she is supposed to be teaching, when good teaching demands that she should have a thorough familiarity with the facts and their arrangement in the lesson and be able to use all her power in teaching. This applies to all teachers, to those in the highest as well as to those in the lowest grades. Many teachers will be found to possess an inadequate knowledge of the branches they have to teach, as well as the proper methods to be used in teaching, and one of the most important results to be effected by efficient supervision is to ascertain these defects, and to point out to the teachers the necessity and means for correcting them. The means used by teachers in determining promotions should be given careful attention. While the greatest freedom should be accorded to assistants in determining which of their pupils shall be promoted, yet the best interests of the schools, as well as those of individual pupils, require that principals shall overlook the matter and see that promotions are made with intelligent and just discrimination.

In teaching arithmetic, principles should be taught as well as accuracy in performing merely mechanical operations. The proper proportion of time should be given to oral instruction as well as to written exercises. Too much time should not be consumed in examining slates. It must be constantly borne in mind by the teachers that all exercises should be conducted so as to result in developing and strengthening the intellectual powers, as well as in acquiring a knowledge of the subjects upon which the mind is exercised. Geography and history, in many of the classes, should receive far better treatment. The teaching of these subjects should not be confined to memorizing the textbooks. The outline maps upon the walls should be constantly made use of, and sketch maps be made to illustrate certain facts treated of in the text. Instruction in reading, in most of the classes, does not receive the requisite amount of time, nor is the instruction in many instances done intelligently. Reading is not only the most useful instrument for cultivating the intellect, but, as a pupil must be able to read in order to study, it is necessary in the highest degree to teach this branch with great thoroughness. Good instruction in reading must constitute the foundation of successful language work. It should be made to cultivate the literary taste and a love for good reading, to add continually to the pupil's vocabulary, to train the eye and ear in the correct forms and usages of speech, to cultivate correct

articulation, clearness of enunciation, and above all to give the power of picturing accurately in the mind the thoughts expressed in the words of the writer. Only the best literary selections, taken from the readers, should be used for reading lessons. When geography, physiology or history is read and reproduced, the time thus used should not be taken from the reading period or that set apart for composition.

Language taught in accordance with the plan explained and illustrated in the Hyde series (see prefaces of same), embraces reading, the recitation of choice selections, declamation, etymology, spelling, pronunciation, grammar, composition, and the promotion of correct speech in all written and oral exercises. In many classes great improvement has been made since these books were adopted, but in too many classes composition is neglected or badly taught, and the old method of teaching grammar (or rather simply repeating the words of the book) and parsing, without much if any ability on the part of the pupil to apply the principles of language they should teach, is still too much in vogue. The regular teachers should give more attention to drawing, using it in connection with other studies, to illustrate the facts taught, so that their truth may be recognized by the eye objectively. Drawing may be advantageously used in illustrating many of the facts taught in arithmetic, especially in connection with fractions, mensuration, long, square, cubic and angular measures, and longitude and time. Drawing taught as it should be, teaches in all the grades some of the facts of elementary geometry. It should be made use of in teaching geography, history, physics and reading, by means of illustrative sketches. The correct method of correlating the subjects taught should be given intelligent consideration, and the conclusions arrived at should be made use of in making programmes, so as to economize time and effort and secure the best results. Algebra and arithmetic should be correlated in the sixth, seventh and eighth grades, not only to save time, but also for the purpose of giving more thoroughness and effectiveness to the work. The best educators have long ago decided that simultaneous recitations have little if any educational value, as they cultivate inattention and many other bad habits which it is the business of education to correct. These exercises still prevail in some of the primary and grammar schools; they are much used by many of the teachers of German, and it is important that their abuse should be discontinued. The arrangement of programmes

is left to the teachers, as the conditions under which they work vary, and each should endeavor to understand what arrangement will best promote the instruction of her class, but there should be conferences and discussions about this important matter, and the best arrangements made in order that the time for teaching may be used to the greatest advantage. The grade meetings now in operation throughout the schools are becoming more and more useful in improving the teaching force, and you are most earnestly urged to use your influence to promote their growth and efficiency. These meetings afford one of the very best means of strengthening the schools. The Teachers' Library is made use of by some of the teachers, greatly to their advantage, and it is hoped that through your influence the teachers of your school will avail themselves of its use. Principals should be able to advise judiciously what books upon education their teachers should read. The study of good educational literature, such as may be found upon the shelves of this library, must in the highest degree assist all of us in understanding more about education, and enable us to do better work. This arrangement of the Board in providing for more thoroughness of supervision on the part of principals must result in great improvement to the public schools, if the supervision is faithfully and intelligently performed.

COOKING.

Many cities in this country have added cooking to their course of instruction for girls, and instruction in domestic economy is systematically given in nearly all the schools of Europe in which girls are taught, such instruction being considered quite as necessary for girls as manual training is for boys. The effects of such instruction would be most beneficial in the education of pupils attending the female schools, besides improving the entire school system. The cooking lessons, it must be remembered, are not taught to give the girls a knowledge of cooking alone—though this is a very important and desirable result—but, taught as they should be in the kitchen, in connection with physiology and lessons in elementary science in the school-room, experience has demonstrated they possess a high educational value, as the instruction embraces both the theory and its practical application. The study of only what is contained in text-books has been condemned for ages by all the educa-

tional reformers and leaders of educational thought, and the opportunity these lessons afford for the study of things by observation and examination should be seized and utilized in promoting the thoroughness and usefulness of the schools. Learning by the observation and study of things, the combination of theoretical and practical instruction has been urged by all orthodox writers upon education as the best means of unfolding, training and stimulating the powers of the mind and acquiring a knowledge of the subjects upon which the mind is exercised. As the lessons in cooking serve as practice work for those taught in elementary science and physiology, they serve as an excellent means of mental training. These lessons must of necessity include a study of heat and water and many of their phenomena, the constituents of food, their digestion, the amount of nutriment each kind contains, their suitableness for the sick and for those in health, the economical purchase and use of foods, their adulteration, etc., a study of which, in connection with the manual work incident thereto, and to the preparation of various foods, embraces a most fruitful field for the teacher in developing the minds of the girls, besides giving them a practical knowledge of cooking, which will be most helpful to a woman in any sphere in life.

THE COLORED SCHOOLS.

A few years ago the colored people urged the Board to allow some of the schools, which would be organized in the future for the instruction of colored children, to be taught by colored teachers, whenever a sufficient number of qualified colored persons could be secured to take charge of an entire school. They reasonably claimed, if such recognition were given to colored persons well qualified to teach, that it would stimulate the pupils attending the colored schools to endeavor to qualify themselves as teachers, and thus good would result to all the colored schools. The Board was convinced of the justice and reasonableness of the request, and that a compliance would be helpful to the pupils of the Colored High School especially, who would thus be given an additional incentive to profit by the means the school furnished for their improvement. The new building on Riggs and Carrollton avenues was afterwards organized with a corps of colored teachers. The principals and a few of the assistants had some experience, but in the main the

school was in charge of young teachers, recently graduated from the high school, without any experience or professional training, who had to learn slowly at the cost of the pupils how to do their work successfully. It is needless to say, it takes a school a long time, under such unfavorable circumstances, to acquire anything like a strong and efficient organization. Now, the school is doing better work, as the teachers are becoming more and more experienced, and they are becoming gradually prepared to understand the true end and purpose of education, and the means to be used in order to teach successfully. At this time it has been determined to remove all the white teachers from the colored schools so soon as the requisite number of colored teachers can be secured. Some of these schools now being taught by white teachers are well organized, and the long and successful experience of many of their teachers enables them to do excellent work, and it would in the highest degree be injurious to the education of the pupils in these schools to displace these teachers and put in their places young teachers, recently graduated from the high school, without any experience in teaching. Any one, I think, however little he may know about the organization and management of schools, will see the truth of this statement. The children would sustain a most serious loss by such action, and I respectfully call your attention to the matter as deserving most careful consideration and the exercise of sound, unbiased judgment. The establishment and perfection of an efficient school is quite as difficult to accomplish as the organization and successful management of a good business house, and when either is prospering and improving it is very hazardous to undertake to put an entirely new force without experience in charge of the management. In the interests of the children, old, well-organized schools, successfully accomplishing their work, should not be injured by displacing experienced teachers and putting in their places young persons without experience, who will consume years in bungling before they will be able to do the efficient service now being done by those whom it is proposed to displace. In the interests of education, which alone should be considered in the management of the schools, no views but those of a pedagogical character should be allowed to decide what is best to be done in regard to this matter. This subject is one of much importance to the school system, and especially to the parents of the pupils now being taught in the schools. As the process of eliminat-

ing the white teachers goes on, by continually displacing experienced teachers and putting in their places young, inexperienced ones, the schools will be kept in an unsettled condition for a considerable period of time, and all the friends of public education should desire and strive to avert this injurious proceeding.

CONCENTRATION OF PUPILS.

In some sections of the country the transportation of pupils residing in thinly populated localities is paid for from the public funds in order to gather them together in one centrally located building, where they may be better and more economically taught. The policy of the Board should be to erect fewer and larger buildings for grammar schools, as the pupils are old enough to attend schools situated at some distance from their homes, and as this concentration of the pupils in large centrally located buildings would economize space and expense and secure better instruction. In some of the grammar schools the number of pupils in the higher grades is very small, and two or more grades have to be taught in one class, or each grade occupying an entire room has to be taught by a separate teacher. Such pupils are able to attend schools situated a short distance farther from their doors, and in the interests of economy and instruction they should be sent to neighboring schools in which there is everything necessary provided for their instruction without any increase of expense to the city.

The schools these pupils leave gain the services of a teacher and the use of another class-room. But the most important advantage of the arrangement is the gain to the pupils themselves, as they are placed where they can be much more efficiently instructed. In the last printed report of the Commissioner of Education he says:

“Recourse has been had to transportation in several States in order to facilitate the work of consolidation of rural ungraded schools. The district system of management of school affairs, which was evolved in the laudable attempt to plant a school within the reach of every child, encouraged the establishment in thinly populated localities of numbers of small and weak schools, often having an average attendance of less than ten, sometimes less than five pupils. This undue multiplication of small schools, resulting in a dilution of the school resources, has long been recognized as economi-

cally wasteful; that such schools are in addition pedagogically inefficient has been brought into prominence of late years through the contrast afforded by the modern graded school with its improved organization, equipment, course of study, methods of instruction and management, and especially its well-trained and well-paid teachers. As the defects of the small district schools have become more apparent the tendency toward consolidating them into a system of strong, centrally located graded schools has become more pronounced. The adoption of the town system of school management in several States has paved the way for consolidation; in fact, has been an indispensable preliminary by bringing all the schools of each town under one control. The chief difficulty now in the attempt to make one central school take the place of several scattered ones is to render such a union school accessible to all the pupils of the discontinued schools. The expedient of transporting at the public expense pupils who may live too far to walk has been resorted to on a considerable scale in Massachusetts, and in a lesser degree elsewhere, and has been in general found to work satisfactorily. There is effected a saving of funds, while at the same time the children have advantages of better schools."

In the report of the Assistant Superintendent, accompanying this, will be found an account of the condition and needs of the primary schools.

Respectfully submitted.

HENRY A. WISE,

Superintendent of Schools.

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A.

Statement Showing the Number of Male and Female Teachers and the Number of Pupils on Roll Dec., 1896, the Average Number of Pupils on Roll During the Year, the Average Attendance for the Year, the Percentage of Attendance for the Year, and the Number in School During the Year.

SCHOOLS.	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1896.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During the Year, Excluding Duplicate Enrollment.
Baltimore City College.	16	.....	705	651	612	94	1,032	683
East. Fem. High School.	1	12	424	421	388	92	613	463
West. Fem. High School.	1	15	637	601	555	92	914	642
Colored High School ...	1	5	137	137	123	90	189	140
	19	32	1,903	1,810	1,678	93	2,748	1,928
Balto. Polytechnic Inst.	20	.....	525	484	448	92	882	838
Col'd Manual Training.	7	.....	83	76	68	90	107	79
	27	.....	608	560	516	91	989	917
Male Grammar No. 1..	2	6	334	330	297	90	515	393
" " " 2..	2	11	490	456	400	89	681	508
" " " 3..	2	3	159	149	132	89	237	157
" " " 4..	2	8	363	330	300	91	484	359
" " " 5..	2	6	283	264	230	87	394	295
" " " 6..	2	9	379	365	321	88	530	415
" " " 7..	2	9	398	368	335	91	540	397
" " " 8..	2	8	441	424	368	87	635	465
" G. and P. " 9..	1	4	140	123	100	81	194	179
" Grammar " 10..	2	10	440	384	346	90	594	398
" " " 11..	2	7	337	298	265	89	437	308
" " " 12..	2	8	360	336	316	94	517	378
" " " 13..	1	4	173	165	149	90	230	176
" " " 15..	2	10	443	422	378	90	607	450
" " " 16..	1	10	379	370	307	83	490	480
" " " 17..	2	8	358	318	290	91	466	349
" " " 18..	2	6	287	274	246	90	394	306
" " " 19..	1	9	409	388	352	90	543	428
" " " 20..	2	14	607	564	492	88	829	592
" " " 21..	2	8	355	357	325	91	517	409
" " " 22..	1	6	232	220	193	88	333	255
Totals	37	164	7,367	6,925	6,150	89	10,167	7,697

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1896.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attend- ance.	Whole Number in School During Year.	In School During the Year, Excluding Du- plicate Enrollment.
Female Grammar No. 1.		9	368	342	294	86	513	401
“ “ “ 2.		13	460	440	380	87	642	472
“ “ “ 3.		5	154	134	115	86	212	145
“ “ “ 4.		9	314	295	264	89	449	337
“ “ “ 5.		8	279	267	230	86	385	286
“ “ “ 6.		12	470	434	382	89	627	474
“ “ “ 7.		12	458	415	362	87	583	430
“ “ “ 8.		11	459	433	369	86	613	473
“ G. and P. “ 9.		5	145	139	114	82	194	194
“ Grammar “ 10.		13	421	370	330	89	545	386
“ “ “ 11.		10	408	392	338	86	549	417
“ “ “ 12.		10	351	334	308	90	490	370
“ “ “ 13.		9	290	285	250	88	398	213
“ “ “ 15.		15	603	575	521	91	841	651
“ “ “ 16.		11	399	397	318	80	510	498
“ “ “ 17.		9	277	263	236	89	393	282
“ “ “ 18.		9	349	342	295	86	486	385
“ “ “ 19.		13	502	459	410	89	657	512
“ “ “ 20.		19	700	648	551	86	944	708
“ “ “ 21.		10	436	421	370	88	597	475
Totals		212	7,843	7,385	6,437	87	10,628	8,109
English-German No. 1..	3	12	448	452	396	88	603	558
“ “ “ 2..	2	27	1,049	995	946	95	1,253	1,207
“ “ “ 3..	4	36	1,702	1,635	1,472	90	2,114	2,052
“ “ “ 4..	3	32	1,392	1,364	1,229	90	1,692	1,637
“ “ “ 5..	3	24	1,062	1,060	960	91	1,413	1,349
“ “ “ 6..	4	23	1,042	965	865	90	1,267	1,197
“ “ “ 7..	1	9	354	290	266	92	433	366
Totals	20	163	7,049	6,761	6,134	91	8,775	7,366

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.			TEACHERS.		NUMBER OF PUPILS.					
			Males.	Females.	On Roll December, 1896.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attend- ance.	Whole Num ber in School During Year.	In School During the Year Excluding Du- plicate Enrollment.
Male Primary No. 1	1	7	242	260	214	82	424	391		
" " " 2	2	6	208	206	176	86	326	323		
" " " 3	3	12	413	398	353	89	592	571		
" " " 4	4	7	219	220	193	88	337	318		
" " " 5	5	12	405	421	364	87	614	584		
" " " 6	6	11	421	414	371	90	589	554		
" " " 7	7	6	210	223	167	75	337	323		
" " " 8	8	6	240	221	177	80	326	302		
" " " 10	10	6	187	181	145	80	272	256		
" " " 11	11	16	620	603	524	87	904	840		
" " " 12	12	10	362	362	302	83	514	496		
" " " 13	13	5	189	187	147	79	277	259		
" " " 14	14	9	338	345	288	84	460	444		
" " " 15	15	10	362	380	318	83	554	510		
" " " 16	16	8	233	241	197	82	369	355		
" " " 17	17	8	243	265	218	82	380	369		
" " " 18	18	6	229	209	185	89	311	278		
" " " 19	19	4	137	154	125	83	229	216		
" " " 20	20	23	828	824	705	85	1,139	1,068		
" " " 21	21	8	316	327	262	80	477	446		
" " " 22	22	9	328	331	285	86	473	460		
" " " 23	23	10	353	368	312	85	513	485		
" " " 24	24	8	285	293	258	88	418	401		
" " " 25	25	9	307	533	469	88	403	385		
" " " 26	26	6	222	231	189	82	320	296		
" " " 27	27	9	305	328	280	85	470	433		
" " " 28	28	9	306	294	259	88	413	387		
" " " 29	29	5	201	184	162	88	269	253		
" " " 30	30	14	560	545	448	82	810	737		
" " " 31	31	5	160	171	140	82	254	232		
" " " 32	32	9	295	281	240	86	417	378		
" " " 33	33	10	315	327	283	87	446	430		
" " " 34	34	4	163	148	121	82	227	204		
" " " 35	35	7	231	224	202	90	307	282		
" " " 36	36	5	191	173	143	83	245	221		
" " " 37	37	6	229	188	142	76	314	275		
" " " 38	38	8	295	280	241	86	371	359		
Totals			313	11,148	11,340	9,605	85	16,101	15,131	

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1896.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During the Year Excluding Duplicate Enrollment.
Female Primary No. 1.		7	269	291	226	78	450	418
“ “ “ 2.		7	270	259	215	84	397	376
“ “ “ 3.		12	483	437	348	79	617	588
“ “ “ 4.		7	246	249	211	85	363	352
“ “ “ 5.		12	456	443	361	82	654	611
“ “ “ 6.		11	438	422	366	87	576	557
“ “ “ 7.		6	194	207	166	80	320	305
“ “ “ 8.		5	188	195	158	81	293	279
“ “ “ 10.		6	207	210	168	80	321	299
“ “ “ 11.		14	572	567	461	81	832	801
“ “ “ 12.		9	332	342	296	87	486	469
“ “ “ 13.		5	206	194	153	79	274	254
“ “ “ 14.		7	293	287	240	84	410	384
“ “ “ 15.		9	358	359	295	82	555	516
“ “ “ 16.		6	219	227	177	78	340	326
“ “ “ 17.		8	296	295	236	80	409	383
“ “ “ 18.		6	225	216	179	83	317	285
“ “ “ 19.		3	138	127	115	91	193	184
“ “ “ 20.		19	710	697	572	82	1,012	937
“ “ “ 21.		8	283	282	236	84	414	389
“ “ “ 22.		9	343	327	263	80	480	459
“ “ “ 23.		9	339	332	287	86	476	452
“ “ “ 24.		8	286	304	256	85	426	407
“ “ “ 25.		8	279	270	225	84	398	382
“ “ “ 26.		6	193	193	162	84	279	250
“ “ “ 27.		9	308	340	288	85	464	439
“ “ “ 28.		9	307	291	254	87	404	380
“ “ “ 29.		5	184	190	157	83	273	245
“ “ “ 30.		13	553	523	423	81	775	715
“ “ “ 31.		6	195	200	161	80	281	263
“ “ “ 32.		8	248	255	212	83	372	351
“ “ “ 33.		8	299	296	250	85	417	404
“ “ “ 34.		4	171	151	122	81	239	199
“ “ “ 35.		6	209	196	154	79	289	277
“ “ “ 36.		4	172	158	130	82	225	206
“ “ “ 37.		5	191	218	118	55	271	245
“ “ “ 38.		7	290	274	220	80	378	346
Totals		291	10,951	10,821	8,861	82	15,680	14,733

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1896.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During the Year, Excluding Duplicate Enrollment.
Colored Gram. No. 1..	1	12	540	548	462	84	844	656
“ “ “ 2..	2	4	202	197	169	86	316	242
“ “ “ 3..	1	6	229	218	195	89	323	242
Male Colored No. 1....	1	5	230	208	145	69	314	303
“ “ “ 2....	1	6	253	252	188	75	342	334
“ “ “ 3....	2	8	396	375	324	86	499	495
“ “ “ 4....	2	8	367	417	238	81	622	614
“ “ “ 5....	2	3	157	137	112	81	192	188
“ “ “ 6....	2	4	261	239	186	78	342	342
“ “ “ 7....	2	11	484	414	355	86	626	613
“ “ “ 8....	1	8	322	309	251	81	435	425
“ “ “ 9....	7	9	721	620	509	82	880	847
“ and Fem. “ 10....	2	9	496	343	282	82	637	551
Fem. Colored “ 1....	.....	9	397	420	291	69	585	566
“ “ “ 2....	.....	7	276	271	183	67	364	358
“ “ “ 3....	.....	12	421	416	354	86	577	566
“ “ “ 4....	.....	10	370	368	307	80	516	500
“ “ “ 5....	.....	6	197	168	122	73	251	247
“ “ “ 6....	.....	6	256	232	174	75	341	337
“ “ “ 7....	.....	18	677	616	535	87	897	886
“ “ “ 8....	.....	10	322	326	254	78	459	458
“ “ “ 9....	.....	17	728	666	546	82	970	943
Totals.....	26	188	8,302	7,760	6,282	80	11,342	10,713

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

SCHOOLS.	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1896.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During the Year, Excluding Duplicate Enrollment.
Annex No. 1.....		8	303	272	221	81	378	357
" " 2.....		....	1,021	962	805	84	1,307	1,154
" " 3, Male	1	7	244	222	195	88	340	246
" " 3, Female....		8	253	239	200	83	375	285
" " 4.....		9	416	393	306	78	614	576
" " 5.....		8	272	270	212	79	381	375
" " 6.....	1	7	322	307	263	86	441	344
" " 7.....	1	9	378	356	291	82	508	482
" " 8.....	1	19	858	783	647	83	1,159	1,038
" " 9.....	1	6	255	264	194	74	346	325
" " 10.....	1	3	153	136	115	85	200	160
" " 11.....	1	11	504	495	428	87	659	623
" " 13.....		20	789	744	588	80	1,042	987
" " 14.....	1	3	127	116	96	83	159	150
" " 15.....	1	7	303	245	211	87	382	295
" " 16, Male		10	348	319	287	90	485	446
" " 16, Female....		8	301	294	237	81	470	439
" " 17.....		6	255	225	185	82	340	317
" " 18.....	1	7	289	269	228	85	404	313
" " 19.....		6	206	170	136	80	269	220
" " 1, Colored..	1	3	139	127	94	74	201	199
" " 2, " ..	1	1	78	72	48	67	107	101
" " 3, " ..		3	102	96	62	65	167	166
Totals.....	12	169	7,916	7,380	6,049	82	10,744	9,598

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE A—Continued.

	TEACHERS.		NUMBER OF PUPILS.					
	Males.	Females.	On Roll December, 1896.	Average Roll for the Year.	Average Attendance for the Year.	Percentage of Attendance.	Whole Number in School During Year.	In School During the Year, Excluding Duplicate Enrollment.
NIGHT SCHOOLS.								
Bohemian	2	5	150	150	102	68	190	190
No. 1.....	2	....	65	64	44	69	103	103
Male No. 2.....	5	1	250	200	167	84	350	350
Female No. 2.....	....	4	154	145	82	56	260	260
No. 3.....	1	2	116	104	72	70	116	116
" 5.....	1	1	60	58	36	62	64	64
" 8.....	2	1	119	103	55	53	119	119
" 11.....	1	1	55	82	41	50	130	130
" 12.....	7	....	208	213	152	71	265	265
" 17.....	2	5	180	180	142	79	180	180
Colored No. 1.....	3	1	173	162	87	54	254	254
" " 3.....	3	3	191	201	109	54	332	332
" " 4.....	1	2	175	150	60	40	175	175
" " 7.....	1	3	185	180	108	60	198	198
Polytechnic Institute..	31	29	2,081	1,992	1,257	63	2,736	2,736
	19	.....	619	420	257	61	1,086	1,086
Totals	50	29	2,700	2,412	1,514	62	3,822	3,822

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.—TABLE A.—Concluded.—RECAPITULATION.

SCHOOLS.	NUMBER OF TEACHERS.				NUMBER OF PUPILS.						
	Number of Schools, December, 1896.	Males, Decem- ber, 1896.	Females, Decem- ber, 1896.	Totals, Decem- ber, 1896.	Average for the Year.	On Roll Decem- ber, 1896.	Average Roll for the Year.	Average Attend- ance for the Year.	Percentage of Attendance.	Whole Number in School Dur- ing the Year.	In School During Year, Exclud- ing Duplicate Enrollment.
Baltimore City College	1	16	.....	16	16	705	651	612	94	1,032	683
Eastern Female High School...	1	1	12	13	13	424	421	388	92	613	463
Western Female High School..	1	1	15	16	15	637	601	555	92	914	642
Colored High School	1	1	5	6	6	137	137	123	90	189	140
Polytechnic Institute	1	20	.....	20	20	525	484	448	92	882	838
Colored Manual Training	1	7	.....	7	7	83	76	68	90	107	79
Male Grammar	21	37	164	201	196	7,367	6,925	6,150	89	10,167	7,697
Female Grammar	20	.....	212	212	200	7,843	7,385	6,437	87	10,628	8,109
English-German	7	20	163	183	170	7,049	6,761	6,134	91	8,775	7,366
Male Primary	37	.....	313	313	311	11,148	11,340	9,605	85	16,101	15,131
Female Primary	37	.....	291	291	291	10,951	10,821	8,861	82	15,680	14,733
Colored	22	26	188	214	214	8,302	7,760	6,282	80	11,342	10,713
Annex.	23	12	169	181	180	7,916	7,380	6,049	82	10,744	9,598
Special { Music Drawing Sewing	173	141	1,532	1,673	1,639	63,087	60,342	51,712	86	87,171	76,192
	.....	2	.....	2	2	.....	.....	.....	.....	.....	.....
	.....	.....	15	15	15	.....	.....	.....	.....	.....	.....
Totals	173	143	1,676	1,719	1,683	63,087	60,342	51,712	86	87,174	76,192
Night Schools	14	31	29	60	.....	2,081	1,992	1,257	63	2,736	2,736
Polytechnic Night School	1	19	.....	19	.....	619	420	257	61	1,086	1,086
Totals	15	50	29	79	.....	2,700	2,412	1,514	62	3,822	3,822

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE B.

DIFFERENT GRADES OF SCHOOLS COMPARED.

	1896.	1895.	In-crease.	De-crease.
Number of pupils in B.C.C. and High Schools.	1,903	1,887	16	.....
“ “ “ “ Polytechnic Institute and Colored Manual Training School.....	608	601	7	.....
Number of pupils in Grammar Schools.....	15,210	14,484	726	.....
“ “ “ “ English-German Schools.	7,049	6,780	269	.....
“ “ “ “ Primary Schools.....	22,099	22,201	.....	102
“ “ “ “ Colored “	8,302	7,767	535	.....
“ “ “ “ Annex “	7,916	7,551	365	.....
Totals.....	63,087	61,271	1,918	102
Net increase in day schools.....			1,816	

TABLE BB.

DIFFERENT GRADES OF CLASSES COMPARED.

	1896.	1895.	In-crease.	De-crease.
Number of pupils in Fifth Year Course of B.C.C.	27	67	.....	40
“ “ “ “ Fourth “ “ “				
and High Schools, and Polytechnic Institute.	229	243	.....	14
Number of pupils in Third Year Course of B.C.C. and High Schools, and Polytechnic Institute.	388	425	.....	37
Number of pupils in Sec'd Year Course of B.C.C., Polytechnic Institute and M. T. School....	663	672	.....	9
Number of pupils in First Year Course of B.C.C., Polytechnic Institute and M. T. School....	1,007	1,023	.....	16
Number of pupils in Preparatory Course of Polytechnic Inst. and M. T. School.....	197	58	139	.....
Number of pupils in Eighth Grade—Grammar.	1,484	1,365	119	.....
“ “ “ “ Seventh “ “	2,482	2,338	144	.....
“ “ “ “ Sixth “ “	3,974	3,834	140	.....
“ “ “ “ Fifth “ “	5,774	5,566	208	.....
“ “ “ “ Fourth “ “	8,148	7,427	721	.....
“ “ “ “ Third “ Primary..	9,043	8,992	51	.....
“ “ “ “ Second “ “	11,344	11,127	217	....
“ “ “ “ First “ “	18,327	18,134	193	.....
Totals.....	63,087	61,271	1,932	116
Net increase in day schools.....			1,816	

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE C.

Showing the Number of Pupils and Teachers in the Public Schools on Roll at the time of Making the Report Each Year, from the Year 1829, when the First Public School was Opened, to the Year 1896, Inclusive.

This statement does not include Night Schools, Normal Classes, nor Floating Schools.

The figures for 1888, and subsequently, include the Annex Schools.

<i>Date.</i>	<i>Teachers.</i>	<i>Pupils.</i>	<i>Date.</i>	<i>Teachers.</i>	<i>Pupils.</i>
1829.....	3.....	269	1863.....	333.....	14,847
1830.....	5.....	402	1864.....	343.....	15,319
1831.....	5.....	627	1865.....	366.....	15,957
1832.....	5.....	640	1866.....	402.....	17,550
1833.....	5.....	544	1867.....	490.....	22,073
1834.....	8.....	859	1868.....	537.....	21,903
1835.....	8.....	747	1869.....	540.....	23,552
1836.....	8.....	814	1870.....	549.....	23,898
1837.....	8.....	659	1871.....	559.....	24,479
1838.....	8.....	675	1872	581.....	25,092
1839.....	16.....	1,126	1873.....	588.....	26,663
1840.....	22.....	1,834	1874.....	626... ..	27,634
1841.....	27.....	2,331	1875.....	672.....	29,942
1842.....	28.....	2,464	1876.....	717.....	31,071
1843.....	30.....	2,669	1877.....	734.....	32,523
1844.....	38	3,366	1878.....	784.....	34,002
1845.....	52.....	4,313	1879.....	798.....	35,595
1846.....	65.....	5,087	1880.....	799.....	35,297
1847.....	90.....	6,439	1881.....	824.....	35,630
1848.....	100.....	6,696	1882.....	826.....	35,639
1849.....	110.....	6,763	1883.....	855.....	37,546
1850.....	119.....	7,093	1884.....	893.....	38,618
1851.....	138.....	8,011	1885.....	930.....	39,828
1852.....	175.....	9,081	1886.....	972.....	39,779
1853.....	186.....	9,447	1887.....	994... ..	41,199
1854.....	207.....	9,717	1888.....	1,119.....	46,521
1855.....	217.....	10,588	1889.....	1,187.....	48,850
1856.....	238.....	11,441	1890.....	1,244.....	50,899
1857.....	245.....	11,269	1891.....	1,301.....	52,543
1858.....	256.....	11,587	1892.....	1,382.....	54,406
1859.....	267.....	11,750	1893.....	1,464.....	57,048
1860.....	284.....	13,186	1894.....	1,557.....	59,808
1861.....	295.....	13,424	1895.....	1,614.....	61,271
1862.....	311.....	13,888	1896.....	1,719.....	63,087

SCHOOLS.	Total																
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	Total
Baltimore City College									7	100	169	222	114	68	18	7	705
Eastern Female High Sch'l									7	29	68	125	99	58	28	10	424
Western Female High Sch'l									10	53	146	179	136	83	27	3	637
Colored High School.										3	3	35	40	30	25	1	137
Totals									24	185	386	561	389	239	98	21	1,903
Polytechnic Institute									73	129	146	90	36	17	3	2	525
Colored Manual Training							4	25	1	17	15	18	10	14	2	6	83
Totals										74	146	161	108	46	31	5	608
Male Grammar No. 1					15	28	58	72	72	56	24	6	2	1			334
" " 2				1	24	58	104	118	90	64	24	4	3				490
" " 3					2	16	38	49	31	19	3		1				159
" " 4					20	53	60	79	80	47	19	3	1				363
" " 5					1	35	55	58	59	37	23	3					283
" " 6					22	52	61	80	71	52	28	7	1				379
" " 7					6	46	95	98	78	46	15	13	1				398
" " 8					17	48	74	92	95	67	37	6	3	2			441
" G. and P. 9					17	17	12	22	18	9	10	2		1			140
" Grammar 10					23	51	76	99	110	51	18	6	1				440
" " 11					25	43	60	59	64	51	29	1	2				337
" " 12					20	50	66	75	74	50	21	2	2				360
" " 13					6	27	31	45	34	27	2	1					173
" " 14					24	50	85	89	81	62	38	8	1				443
" " 15				1	4	37	41	40	30	17	8	1					379
" " 16				33	47	19	38	74	45	21	3		1				358
" " 17						31	49	56	54	44	31	8	1				287
" " 18					2	11	21	88	71	54	37	8	1	1			409
" " 19					21	49	79	88	126	87	39	9	1	1			607
" " 20					12	73	111	146	77	69	26	8	2				355
" " 21					13	25	60	77	45	42	15	5					232
" " 22					1	29	30	54									
M. and F. Gram.																	
Totals	12	70	45	83	361	871	1,315	1,579	1,432	996	468	104	24	6		1	7,367

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.—TABLE D- Continued.

SCHOOLS.	PUPILS BETWEEN THE AGES OF																TOTALS.	
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21		
Female Grammar No. 1.....				2	10	31	45	76	77	63	53	11						368
" " 2.....				1	19	68	82	109	100	52	22	7						460
" " 3.....				1	7	25	30	38	29	17	6	1						154
" " 4.....					11	37	54	87	62	34	21	7	1					314
" " 5.....					10	41	55	60	52	42	17	2						279
" " 6.....				1	21	52	70	86	96	79	46	16	3					470
" " 7.....				1	13	64	97	108	108	46	13	7	1					458
" " 8.....				1	27	66	86	95	92	66	23	2		1				459
G. and P. " 9.....			10	13	13	12	28	16	18	13	12	2						145
Grammar " 10.....					7	63	83	114	77	31	18	4	1					421
" " 11.....					16	63	84	71	37	10	3							408
" " 12.....				16	53	77	84	68	48	49	19	6						351
" " 13.....					14	27	59	68	38	15	8	1						290
" " 15.....				4	40	70	95	104	105	99	63	22	1					603
" " 16.....		21	49	46	44	60	41	38	28	15	8	1						399
" " 17.....				2	5	46	59	77	38	30	15	4	1					277
" " 18.....				1	7	37	45	69	68	44	37	35	6					349
" " 19.....				1	18	61	68	83	98	88	47	33	4	1				502
" " 20.....				2	37	94	128	144	125	93	52	23	2					700
" " 21.....					21	30	74	77	89	81	44	17	3					436
Totals.....	21	59	59	90	393	1,024	1,347	1,621	1,425	1,020	548	208	26	2				7,843
English-German No. 1.....	2	44	54	58	46	54	40	61	47	29	10	3						448
" " 2.....	2	112	172	154	141	146	141	95	54	27	4	1						1,049
" " 3.....	51	189	174	203	255	201	217	164	151	62	25	9	1					1,702
" " 4.....	19	130	182	191	201	177	166	146	118	47	14	1						1,392
" " 5.....	13	94	145	142	151	141	120	110	82	44	18	2						1,062
" " 6.....	13	141	165	164	137	129	129	94	53	14	2	1						1,042
" " 7.....	18	48	50	48	49	48	36	35	13	7	2							354
Totals.....	118	758	942	960	980	896	849	705	518	230	75	17	1					7,049

		5-6		6-7		7-8		8-9		9-10		10-11		11-12		12-13		13-14		14-15		15-16		16-17		17-18		18-19		19-20		20-21		Σ																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Male	Primary	No.	1	2	32	53	48	38	33	19	13	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.—TABLE D.—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																	TOTAL.
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21		
Fem. Prim. No. 1..	3	34	53	41	48	44	28	11	5	1	1	1	1	1	1	1	269	
" " 2..	22	43	58	47	48	35	15	2	10	3	1	1	1	1	1	1	270	
" " 3..	4	110	80	84	81	58	33	22	10	1	1	1	1	1	1	1	483	
" " 4..	19	39	35	59	38	29	11	11	1	1	1	1	1	1	1	1	246	
" " 5..	9	83	82	85	80	55	39	19	5	1	1	1	1	1	1	1	457	
" " 6..	5	73	83	88	81	60	29	14	4	1	1	1	1	1	1	1	433	
" " 7..	13	30	39	41	28	25	12	5	1	1	1	1	1	1	1	1	194	
" " 8..	28	28	37	38	31	32	11	5	4	2	1	1	1	1	1	1	188	
" " 9..	32	32	30	38	38	30	11	16	4	1	1	1	1	1	1	1	207	
" " 10..	4	150	162	105	77	44	21	8	1	1	1	1	1	1	1	1	572	
" " 11..	7	55	67	74	69	34	28	2	3	1	1	1	1	1	1	1	332	
" " 12..	7	38	37	31	34	27	17	12	3	1	1	1	1	1	1	1	206	
" " 13..	7	28	68	84	57	29	10	10	3	1	1	1	1	1	1	1	293	
" " 14..	4	48	75	93	75	32	19	8	3	1	1	1	1	1	1	1	358	
" " 15..	4	48	35	41	44	19	10	9	6	1	1	1	1	1	1	1	219	
" " 16..	7	48	60	50	51	38	29	10	5	1	1	1	1	1	1	1	296	
" " 17..	10	42	42	40	40	27	19	9	2	1	1	1	1	1	1	1	225	
" " 18..	4	31	48	45	40	27	16	25	2	2	1	1	1	1	1	1	138	
" " 19..	3	13	19	26	27	16	25	5	2	2	1	1	1	1	1	1	710	
" " 20..	10	127	139	154	127	72	40	28	11	1	1	1	1	1	1	1	283	
" " 21..	6	33	40	55	52	49	26	14	4	4	1	1	1	1	1	1	343	
" " 22..	10	29	29	62	51	69	34	20	7	3	1	1	1	1	1	1	339	
" " 23..	12	54	55	71	65	49	18	11	3	1	1	1	1	1	1	1	339	
" " 24..	17	40	59	52	49	38	16	12	3	1	1	1	1	1	1	1	286	
" " 25..	14	52	35	50	69	40	19	10	1	1	1	1	1	1	1	1	279	
" " 26..	5	19	57	27	43	22	15	3	2	1	1	1	1	1	1	1	193	
" " 27..	3	39	49	79	50	49	20	13	6	1	1	1	1	1	1	1	308	
" " 28..	9	39	73	61	55	35	19	10	4	2	1	1	1	1	1	1	307	
" " 29..	10	38	36	33	30	18	10	9	1	1	1	1	1	1	1	1	184	
" " 30..	5	88	112	108	104	66	38	20	11	1	1	1	1	1	1	1	553	
" " 31..	10	36	42	29	34	26	10	3	3	1	2	1	1	1	1	1	195	
" " 32..	6	48	51	53	38	21	19	8	4	1	1	1	1	1	1	1	248	
" " 33..	4	45	45	61	54	53	20	14	3	1	1	1	1	1	1	1	299	
" " 34..	19	36	33	33	33	19	19	10	1	1	1	1	1	1	1	1	171	
" " 35..	6	31	33	32	36	23	22	15	7	4	1	1	1	1	1	1	209	
" " 36..	17	42	29	27	18	21	14	3	1	1	1	1	1	1	1	1	172	
" " 37..	9	44	33	31	31	20	14	7	2	1	1	1	1	1	1	1	191	
" " 38..	29	26	51	57	52	38	16	10	3	1	1	1	1	1	1	1	191	

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Continued.

Schools.		PUPILS BETWEEN THE AGES OF																Totals.
		5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	
Grammar Colored No. 1.....		—	—	—	—	—	4	10	28	57	92	131	111	76	28	2	1	540
" " 2.....		—	—	—	—	—	—	6	9	35	34	50	47	18	3	—	—	202
" " 3.....		—	—	—	—	—	—	2	5	19	46	70	46	34	6	—	1	229
Male Colored No. 1.....		6	24	30	30	34	34	27	30	25	15	7	2	2	—	—	—	230
" " 2.....		36	26	15	24	40	30	30	49	18	13	1	1	1	—	—	—	253
" " 3.....		12	21	57	43	44	70	45	42	39	12	8	3	3	—	—	—	396
" " 4.....		22	38	67	50	70	47	39	39	22	9	3	—	—	—	—	—	367
" " 5.....		5	7	28	18	18	21	22	18	11	7	1	1	1	—	—	—	157
" " 6.....		—	21	29	28	41	39	33	26	19	11	9	5	5	—	—	—	261
" " 7.....		8	27	53	63	66	67	44	46	54	36	15	5	5	—	—	—	484
" " 8.....		1	30	46	51	43	44	33	24	25	19	5	1	—	—	—	—	322
" " 9.....		15	52	67	88	91	92	92	87	75	48	12	1	1	—	—	—	721
" " 10.....		6	27	40	43	52	56	57	44	40	47	45	23	11	5	—	—	496
Female Colored No. 1.....		5	18	24	33	28	45	57	52	52	48	25	7	3	—	—	—	397
" " 2.....		1	18	28	38	41	42	30	37	28	10	2	1	1	—	—	—	276
" " 3.....		—	21	41	52	73	68	56	49	37	15	7	4	3	—	—	—	421
" " 4.....		—	17	53	49	49	57	57	51	21	9	4	3	—	—	—	—	370
" " 5.....		3	27	18	15	18	39	25	23	13	14	1	1	1	—	—	—	197
" " 6.....		5	18	23	39	34	30	32	34	29	5	4	3	—	—	—	—	256
" " 7.....		41	90	85	99	80	96	96	73	56	38	11	7	1	—	—	—	677
" " 8.....		3	26	40	54	46	52	33	40	15	11	1	—	1	—	—	—	322
" " 9.....		11	61	91	94	101	94	81	83	62	30	14	5	1	—	—	—	728
Totals.....		75	496	816	905	952	1,058	939	958	813	648	379	198	56	7	2	—	8,302

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.
TABLE D—Continued.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																	Totals.
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21		
Annex No. 1.....	14	45	41	40	35	24	32	37	12	15	8	.....	.....	.....	.....	.....	303
" 2.....	7	58	109	114	112	136	121	119	100	92	39	11	3	.....	.....	.....	1,021
" 3, Male.....	.....	.....	.....	1	6	32	40	40	48	33	30	12	2	.....	.....	.....	244
" 3, Female.....	.....	.....	.....	.....	9	24	45	48	50	32	25	16	4	.....	.....	.....	253
" 4.....	9	51	99	100	62	35	27	18	11	2	2	.....	.....	.....	.....	.....	416
" 5.....	13	48	47	47	44	37	15	11	5	4	1	.....	.....	.....	.....	.....	272
" 6.....	.....	.....	.....	3	17	52	74	65	55	29	25	2	.....	.....	.....	.....	322
" 7.....	5	23	50	55	43	63	42	38	21	28	6	3	1	.....	.....	.....	378
" 8.....	25	84	91	123	109	102	101	88	69	43	15	5	2	1	.....	.....	858
" 9.....	.....	15	36	32	32	28	27	34	13	23	8	5	2	.....	.....	.....	255
" 10.....	.....	.....	.....	.....	3	11	28	29	37	23	20	2	.....	.....	.....	.....	153
" 11.....	.....	17	39	57	79	47	61	61	54	44	29	13	1	1	.....	.....	504
" 13.....	10	87	125	103	99	91	94	87	58	22	12	1	.....	.....	.....	.....	789
" 14.....	.....	8	16	16	11	15	12	10	22	5	9	3	.....	.....	.....	.....	127
" 15.....	5	27	22	33	42	35	25	45	27	23	11	5	3	.....	.....	.....	303
" 16, Male.....	.....	48	68	61	65	49	28	16	9	4	.....	.....	.....	.....	.....	.....	348
" 16, Female.....	9	43	62	60	59	44	13	9	2	.....	.....	.....	.....	.....	.....	.....	301
" 17.....	7	33	51	61	43	27	25	4	1	2	1	.....	.....	.....	.....	.....	255
" 18.....	5	14	16	21	19	31	40	45	46	41	7	4	.....	.....	.....	.....	289
" 19.....	1	19	25	13	30	28	32	22	18	8	9	1	.....	.....	.....	.....	206
" 1, Colored.....	5	12	15	17	17	12	18	12	11	9	5	5	.....	1	.....	.....	139
" 2, ".....	.....	3	7	7	10	13	8	10	9	4	5	1	1	.....	.....	.....	78
" 3, ".....	1	6	7	10	12	11	8	16	9	14	5	2	1	.....	.....	.....	102
Totals.....	116	641	926	974	958	947	916	864	687	500	272	91	20	3	1	.....	7,916

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE D—Concluded.

RECAPITULATION.

SCHOOLS.	NUMBER OF PUPILS BETWEEN THE AGES OF																Totals.
	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20	20-21	
College and High.....																	
Polytechnic and Col- ored Man's Training.....							4	25	74	146	161	108	46	31	5	8	1,903
Male Grammar.....	12	70	45	83	361	871	1,315	1,579	1,432	996	468	104	24	6			7,367
Female Grammar.....	21	59	59	90	393	1,024	1,347	1,621	1,425	1,020	548	208	26	2			7,843
English-German.....	118	758	942	960	980	896	849	705	518	230	75	17	1				7,049
Male Primary.....	212	1,674	2,122	2,127	1,859	1,477	881	518	199	61	15	3					11,148
Female Primary.....	310	1,774	2,105	2,134	1,956	1,350	762	390	134	28	7	1					10,951
Colored.....	75	496	816	905	952	1,058	939	958	813	648	379	198	56	7	2		8,302
Annex.....	116	641	926	974	958	947	916	864	687	500	272	91	20	3	1		7,916
Totals.....	864	5,472	7,015	7,273	7,459	7,623	7,013	6,660	5,306	3,814	2,311	1,291	562	288	106	30	63,687

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E.

STATEMENT SHOWING THE NUMBER OF PUPILS IN EACH GRADE.

	FIFTH YEAR.		FOURTH YEAR.		THIRD YEAR.		SECOND YEAR.		FIRST YEAR.		PREPARATORY.	TOTALS.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.		Males.	Females.
SCHOOLS.													
COLLEGE, HIGH AND POLYTECHNIC.													
Baltimore City College	27	49	.....	.....	122	.....	185	.....	322	.....	.....	705	.....
Eastern Female High .....	.....	.....	66	.....	.....	92	.....	119	.....	147	.....	.....	424
Western Female High .....	.....	.....	75	.....	.....	99	.....	176	.....	287	.....	.....	637
Polytechnic Institute .....	.....	24	.....	.....	48	.....	138	.....	166	.....	149	525	.....
Manual Training .....	.....	.....	.....	.....	8	.....	9	.....	18	.....	48	83	.....
High, Colored .....	.....	3	12	.....	4	15	12	24	10	57	.....	29	108
Totals.....	27	76	153	.....	182	206	344	319	516	491	197	1,342	1,169

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

GRAMMAR SCHOOLS.	Eighth Grade.	Seventh Grade.	Sixth Grade.	Fifth Grade.	Fourth Grade.	TOTALS.
Male No. 1.....	41	44	54	85	110	334
" " 2.....	37	62	90	122	179	490
" " 3.....	4	10	21	41	83	159
" " 4.....	24	37	71	94	137	363
" " 5.....	20	34	51	71	107	283
" " 6.....	31	56	80	107	105	379
" " 7.....	18	43	80	98	159	398
" " 8.....	27	52	86	120	156	441
" " 10.....	19	25	69	101	226	440
" " 11.....	24	37	49	84	143	337
" " 12.....	18	27	51	83	181	360
" " 13.....	17	15	38	43	60	173
" " 15.....	21	78	72	117	155	443
" " 17.....	18	36	70	100	134	358
" " 18.....	23	37	53	87	87	287
" " 19.....	46	54	94	104	111	409
" " 20.....	45	65	124	166	207	607
" " 21.....	24	40	70	88	133	355
Totals	457	752	1,223	1,711	2,473	6,616
Female No. 1.....	33	52	88	87	108	368
" " 2.....	29	38	72	126	195	460
" " 3.....	4	18	29	31	72	154
" " 4.....	17	34	42	90	131	314
" " 5.....	26	44	37	68	104	279
" " 6.....	54	75	103	111	127	470
" " 7.....	20	50	84	128	176	458
" " 8.....	34	51	105	110	159	459
" " 10.....	29	31	66	120	175	421
" " 11.....	26	40	97	107	138	408
" " 12.....	17	24	47	106	157	351
" " 13.....	25	41	67	76	81	290
" " 15.....	72	87	105	134	205	603
" " 17.....	13	27	39	80	118	277
" " 18.....	28	64	75	85	97	349
" " 19.....	75	79	111	117	120	502
" " 20.....	73	96	127	181	223	700
" " 21.....	43	73	88	90	142	436
Totals	618	924	1,382	1,847	2,528	7,294

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Continued.

PRIMARY SCHOOLS.	Third Year.	Second Year.	First Year.	Totals.	PRIMARY SCHOOLS.	Third Year.	Second Year.	First Year.	Totals.
Male No. 1....	73	67	102	242	Female No. 1..	74	70	125	269
" " 2....	30	54	124	208	" " 2..	31	74	165	270
" " 3....	105	125	183	413	" " 3..	96	125	262	483
" " 4....	53	62	104	219	" " 4..	69	61	116	246
" " 5....	111	99	195	405	" " 5..	115	118	224	457
" " 6....	83	139	199	421	" " 6..	98	131	209	438
" " 7....	28	61	121	210	" " 7..	39	50	105	194
" " 8....	41	78	121	240	" " 8..	43	74	71	188
" " 10....	41	76	70	187	" " 10..	52	53	102	207
" " 11....	141	188	291	620	" " 11..	137	185	250	572
" " 12....	77	111	174	362	" " 12..	74	108	150	332
" " 13....	32	38	119	189	" " 13..	39	71	96	206
" " 14....	108	132	98	338	" " 14..	104	81	108	293
" " 15....	45	126	191	362	" " 15..	114	124	120	358
" " 16....	58	67	108	233	" " 16..	65	39	115	219
" " 17....	65	60	118	243	" " 17..	63	106	127	296
" " 18....	61	79	89	229	" " 18..	60	77	88	225
" " 19....	41	41	55	137	" " 19..	50	37	51	138
" " 20....	161	223	444	828	" " 20..	188	200	322	710
" " 21....	85	96	135	316	" " 21..	90	68	125	283
" " 22....	73	87	168	328	" " 22..	94	112	137	343
" " 23....	82	89	182	353	" " 23..	81	108	150	339
" " 24....	58	76	151	285	" " 24..	56	85	145	286
" " 25....	33	74	200	307	" " 25..	56	76	147	279
" " 26....	59	84	79	222	" " 26..	47	61	85	193
" " 27....	59	85	161	305	" " 27..	75	90	143	308
" " 28....	71	96	139	306	" " 28..	57	79	171	307
" " 29....	38	75	88	201	" " 29..	37	58	89	184
" " 30....	162	194	204	560	" " 30..	153	174	226	553
" " 31....	61	36	63	160	" " 31..	45	64	86	195
" " 32....	78	102	115	295	" " 32..	84	92	72	248
" " 33....	80	102	133	315	" " 33..	73	103	123	299
" " 34....	28	42	93	163	" " 34..	37	47	87	171
" " 35....	48	45	138	231	" " 35..	36	64	109	209
" " 36....	34	58	99	191	" " 36..	29	40	103	172
" " 37....	43	88	98	229	" " 37..	28	53	110	191
" " 38....	65	96	134	295	" " 38..	65	80	145	290
Totals	2,511	3,351	5,286	11,148	Totals	2,654	3,238	5,059	10,951

MIXED SCHOOLS.

MIXED SCHOOLS.		8th grade		7th grade		6th grade		5th grade		4th grade		3d grade		2d grade		1st grade		TOTALS.	
		Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.
Male Gram.& Prim.No.9.		5		13		11		22		26		18		19		26		140	
Fem. " " 9.			8		10		17		26		18		25		19		22		145
Male Grammar No. 16.						4		28		49		67		78		144		379	
Female " " 16.					3		9		29		56		93		87		122		399
Grammar		10	8	18	21	24	19	36	16	50	30							138	94
English-German " 1.		3	10	4	19	19	20	25	27	37	24	36	42	39	43	49	51	212	236
" " " 2.		4	2	7	8	25	18	55	46	67	67	104	81	105	105	200	155	567	482
" " " 3.		21	13	24	31	46	37	76	69	137	112	143	133	186	165	241	268	874	828
" " " 4.		7	5	23	20	45	54	92	74	112	96	131	122	124	128	199	170	723	669
" " " 5.		10	7	27	25	29	52	56	61	62	71	88	70	124	121	137	122	533	529
" " " 6.		2	1	8	6	20	16	41	34	64	50	83	70	120	110	195	222	533	509
" " " 7.				5	3	10	7	8	13	19	24	30	24	58	44	64	45	194	160
Colored Grammar No. 1.		13	38	25	58	55	111	109	131									202	338
" " " 2.		4	11	7	27	23	31	50	49									84	118
" " " 3.		3	14	9	15	23	38	57	70									92	137
Male Colored No. 1.										33		47		57		93		230	
" " " 2.										41		48		67		97		253	
" " " 3.										53		85		80		178		396	
" " " 4.										57		100		96		114		367	
" " " 5.								8		16		22		35		76		157	
" " " 6.										37		55		53		116		261	
" " " 7.								17		47		46		125		249		484	
" " " 8.										39		63		77		143		322	
" " " 9.										83		119		170		349		721	
Male & Fem. Col. No. 10.		4	6		12	19	13	16	15	22	28	51	27	51	45	76	111	239	257
Female Colored No. 1.											69		95		81		152		397
" " " 2.											32		66		66		124		276
" " " 3.											57		62		78		224		421
" " " 4.											34		59		95		182		370
" " " 5.									10		28		40		79		197		476
" " " 6.											26		26		50		154		256
" " " 7.								39			62		120		145		311		677
" " " 8.											35		45		64		178		322
" " " 9.											56		127		216		329		728
Totals		86	123	179	258	353	442	686	709	1,051	975	1,336	1,327	1,604	1,630	2,746	3,021	8,101	8,845

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.—TABLE E—Continued.

ANNEX SCHOOLS.	8th grade.		7th grade.		6th grade.		5th grade.		4th grade.		3d grade.		2d grade.		1st grade.		TOTALS.	
	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.	Males.	Fem.
Annex No. 1.....	.....	.....	6	9	7	16	8	11	13	23	25	16	24	35	48	62	131	172
" 2.....	18	21	22	28	38	54	72	74	78	87	70	71	62	80	124	122	484	537
" 3, Male.....	29	.....	35	.....	53	.....	48	.....	79	.....	.....	.....	.....	.....	.....	.....	244	.....
" 3, Female.....	20	.....	30	.....	42	.....	62	.....	.....	99	.....	.....	.....	.....	.....	.....	.....	253
" 4.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47	45	75	56	92	101	214	202
" 5.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46	26	38	38	73	51	157	115
" 6.....	2	14	13	29	20	38	41	46	43	76	.....	.....	.....	.....	.....	.....	119	203
" 7.....	6	5	8	10	13	16	20	14	28	22	28	37	37	38	49	47	189	189
" 8.....	3	12	13	12	37	23	46	45	54	53	76	71	85	86	132	110	446	412
" 9.....	4	.....	5	4	14	8	13	18	21	15	22	22	26	21	41	21	146	109
" 10.....	7	4	12	15	14	25	20	9	18	29	.....	.....	.....	.....	.....	.....	71	82
" 11.....	5	6	11	14	26	21	26	16	41	32	44	45	46	46	58	67	257	247
" 13.....	.....	.....	10	9	11	14	32	35	53	56	81	84	82	83	120	119	389	400
" 14.....	3	3	9	6	5	7	3	5	10	10	7	12	15	6	16	10	68	59
" 15.....	11	7	8	7	20	9	18	23	21	16	26	26	24	30	25	32	153	150
" 16, Male.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	78	.....	92	.....	178	.....	348	.....
" 16, Female.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	75	.....	88	.....	138	.....	301	.....
" 17.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20	27	32	30	64	82	116	139
" 18.....	9	11	21	22	26	13	35	21	37	25	4	6	9	10	20	20	161	128
" 19.....	.....	.....	.....	.....	.....	.....	21	24	34	17	17	7	20	14	28	24	120	86
" 1, Col'd.....	.....	.....	.....	.....	.....	.....	2	2	9	5	10	11	15	12	43	36	79	60
" 2.....	.....	.....	1	.....	.....	.....	2	.....	3	4	7	12	15	7	18	9	46	32
" 3.....	.....	.....	.....	.....	1	3	3	6	5	5	11	3	14	10	22	19	56	46
Totals, Males.....	97	.....	174	.....	285	.....	410	.....	547	.....	619	.....	711	.....	1,151	.....	3,994	.....
" Females.....	103	.....	195	.....	289	.....	411	.....	574	.....	596	.....	690	.....	1,064	.....	3,922	.....
Male Gram. Schools..	457	.....	752	.....	1,223	.....	1,711	.....	2,473	.....	.....	.....	.....	.....	.....	.....	6,616	.....
Fem. ".....	618	.....	924	.....	1,382	.....	1,847	.....	.....	2,528	.....	.....	.....	.....	.....	.....	7,299	.....
Male Prim. ".....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,511	.....	3,351	.....	5,286	.....	11,148	.....
Fem. ".....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,654	.....	3,238	.....	5,059	.....	10,951	.....
Mixed ".....	86	123	179	258	353	442	686	709	1,051	975	1,336	1,327	1,664	1,690	2,746	3,021	8,101	8,545
Totals, Males.....	640	.....	1,105	.....	1,861	.....	2,807	.....	4,071	.....	4,466	.....	5,726	.....	6,193	.....	20,050	.....
" Females.....	844	.....	1,977	.....	3,113	.....	4,113	.....	5,183	.....	5,726	.....	6,193	.....	7,299	.....	20,050	.....

TABLES ACCOMPANYING THE SUPERINTENDENT'S REPORT.

TABLE E—Concluded.

RECAPITULATION.

	MALES.	FEMALES.	TOTALS.
Number in fifth year, Baltimore City College.....	27	.....	27
“ in fourth year, B.C.C., High and Polytechnic.....	76	153	229
“ in third year, B. C. C., High and Polytechnic.....	182	206	388
“ in second year, B.C.C., High and Polytechnic.....	344	319	663
“ in first year, B. C. C., High and Polytechnic.....	516	491	1,007
“ in preparatory department, Polytechnic and Manual Training.....	197	.....	197
Totals.....	1,342	1,169	2,511
Number in Grammar, eighth grade.....	640	844	1,484
“ “ “ seventh grade.....	1,105	1,377	2,482
“ “ “ sixth grade.....	1,861	2,113	3,974
“ “ “ fifth grade.....	2,807	2,967	5,774
“ “ “ fourth grade.....	4,071	4,077	8,148
Totals.....	10,484	11,378	21,862
Number in Primary, third grade.....	4,466	4,577	9,043
“ “ “ second grade.....	5,726	5,618	11,344
“ “ “ first grade.....	9,183	9,144	18,327
Totals.....	19,375	19,339	38,714
Number in High.....	1,342	1,169	2,511
“ in Grammar.....	10,484	11,378	21,862
“ in Primary.....	19,375	19,339	38,714
Totals.....	31,201	31,886	63,087

REPORT

OF THE

Assistant Superintendent of Public Instruction.

BALTIMORE, January 1, 1897.

Mr. Henry A. Wise, Superintendent of Public Instruction:

SIR: My report of the condition of the primary schools for the year ending December 31, 1896, is herewith submitted.

The new buildings for Nos. 4, 34 and 37, in process of erection at the time of submitting my last report, were finished during the year following, and are now occupied by their respective schools. This condition affords a very great relief to the different sections of the city in which these schools are located. In addition to this, it is a cause of very great pride and pleasure to notice the advance made in the line of better construction, improved architecture and increased facilities for better school work than formerly prevailed in the supply of school buildings. The purpose of those in the control of this matter is to ascertain the best character of building in every respect, and then to follow this model in the erection of all future school buildings. If this had been done during the past twenty-five years, our present condition in this respect would be less deplorable. In my last report I called your attention in detail to a number of buildings, the greater number of which, erected during the last period of time above mentioned, are now in their present condition unfit for school purposes. During the past year very little has been done to remedy the evils referred to in that report, and I now wish to reiterate what I then said with reference to these buildings, with the hope that some radical changes may be made in their condition and surroundings during the present year.

The marvelous growth of our city and the spreading of our population into the suburbs demands a very large increase in the number of school buildings, especially for

primary schools. At least ten new buildings in localities judiciously selected would be a profitable investment for the city at the present time. It is our duty while providing for present needs to consider fully the probable necessities of the future. Larger buildings, more commodious classrooms and greater consideration for the health and comfort of the children, while increasing temporarily the cost, are all in the direction of the wisest economy. I hope this subject will receive the earnest consideration of the Mayor and City Council.

Notwithstanding the adverse criticisms made by those who lack information on the subject, and who persistently refuse to acquire that kind of knowledge which would enable them to become fair and honorable critics, I wish to aver, not that our schools are faultless and need no further improvement, but that in many respects we are equal, if not superior, to other school systems of the country. Our schools are in a measure defective; so are all other school systems. Our schools can be improved; so can the school systems of other large cities. Why constantly refer to systems of other cities as models for our own, they having the same defects as we have, the same difficulties to overcome, the same prejudices to encounter, and the same hidden opposition—the more powerful because of its concealment—to any form or purpose of the education of the people by the State. We need better school government, better school appliances, better teachers—teachers trained in the art of teaching—better and increased superintendence; but above all we need truer friends to the cause, and a better grounded conviction and belief in the principle of public education by the State. If all were of one mind with reference to this principle, our schools would receive only just and fair criticism, which would advance their prosperity and usefulness to our community.

The primary schools are the base of the public school system. Efforts to improve our schools should be concentrated at this point. Make them what they should be, and the grammar and high schools will feel the good effects of their improved condition. Efforts in a contrary direction have been the great mistake of the past. Let the future record bear evidence of a changed purpose in this respect. Give these schools the best service and the higher schools will thereby be best served.

During the past year, there have been organized three grade associations by the primary school teachers. The ob-

ject of these associations is to improve their professional condition by personal association, and the discussion of better class discipline and improved methods of teaching. Until we have a professional school, this seems to me the best means of attaining that object. The attendance at these meetings, while very good, is not what it should be. Every teacher should be desirous and willing, and if not so, should be required, to give a certain portion of her time to this opportunity for improvement.

Many think that the two hundred hours per year spent in the classroom is all that is necessary to be given for the salary received. Such service alone is not intelligent service, and in some instances could be rendered to a great degree by uneducated labor. If this is all that any teacher intends to perform, the sooner she changes her condition the better for her and the schools. Any person who enters the school-room should be willing and desirous to fit herself for the work to be done, or not enter it at all. This unfitness and a total unwillingness to make use of the opportunities to make oneself competent for the business of teaching is the greatest evil with which we have to contend.

Those who wish to meet with success in the profession of teaching should note the fact that there is now a more comprehensive interest manifested in educational thought than ever before. The progressive teacher should occupy as much time as possible in broadening his mental horizon in order to acquire educational capital. I would simply in this connection mention a few of the means for accomplishing this purpose, viz: Reading circles, lectures, summer schools, libraries, grade associations, etc. The times demand that teachers should avail themselves of such opportunities in order to know and comprehend the best thoughts of the greatest thinkers in the educational world. This is of great value to a teacher in the school-room. She should have a capital as large as possible to draw upon in order to perfect her professional training and make her equal to the task of successful teaching. The lack of this is very pronounced among some who enter service in our primary schools. The notion prevails to a great extent that a graduate of the High or Normal School has acquired all that is needed to make her a teacher, and that it only remains for her to set the machine in motion. This is the cause, that of so many, some prove unequal to the task of teaching. The demands of school work are very exacting, and it is only those who

make the most of their opportunities that are even measurably successful. Those that reach the summit have done so by great toil and endurance.

Our teachers of the primary schools as a whole have been very successful during the past year, and I desire to commend them to you and the Board as a corps of efficient, capable and conscientious teachers. The desire for improvement is rapidly increasing, and with proper consideration for their interests and the welfare of the schools they will soon stand abreast with the best teaching force of the country.

One thing more. Our present plan necessitates the employment of many inexperienced teachers. Until a training school from which a professional class of teachers may be obtained be established, great care should be exercised in the selection of teachers in order to obtain the best material from the academical schools. The fact alone that a young lady having graduated from our high schools is not a sufficient guarantee that she will eventually make of herself a teacher. She must possess additional qualifications, such as good physical condition, equable temperament, good manners, together with proper literary acquirements, to enable her to meet and conquer the many difficulties of the teacher's profession. The entrance and retention of persons not properly qualified weakens the entire teaching corps, and prevents in a great measure the elevation of the profession to a proper standard. A lack of proper judgment in this direction is also expensive. Poor teachers are not remunerative, even at a small salary. Good teachers are cheap at any price. In addition, good teachers lighten the labors of a principal, and at the same time secure good results, while poor teachers make more work than can satisfactorily be done by the best principals.

In closing this report I desire to express my appreciation of the earnest work done by the teachers, and the readiness to adopt any suggestions for the good of the system made by me in the discharge of my official duties.

The consideration shown me by yourself and the Board has rendered my work a pleasure and lessened the trying and perplexing duties of my position.

Respectfully submitted.

JOHN E. McCAHAN,
Assistant Superintendent.

REPORT

OF THE

SUPERINTENDENT OF SUPPLIES.

BALTIMORE, December 31, 1896.

To the Board of Commissioners of Public Schools:

GENTLEMEN: In accordance with the usual custom, I herewith submit my eleventh annual report:

During the year two new buildings were completed, *i. e.*, one for Primary School No. 4, on the corner of Hanover and Lee streets, and the other for Primary School No. 37, on the corner of Patterson Park avenue and Biddle street.

Both of these buildings were furnished with single desks and all other modern school appliances, and now afford good, healthful facilities for educating the pupils of these two schools. On account of the crowded condition of some of the school buildings it has been again necessary to rent temporary quarters for a number of the teachers and pupils. The accommodation in these buildings is, at best, very poor, and the renting of private dwellings for school purposes should be as much discouraged as possible. In the erection of school buildings care should be taken to build them large enough for the demands of the neighborhood, and class rooms of sufficient size to accommodate the required number of single desks.

During the summer the usual whitewashing and cleaning was done, the usual repairs made and fuel supplied.

During the year the following articles were supplied under orders of the Committee on Furniture, through this department: 1,222 desks, 209 rear seats, 79 teachers' desks, 517 chairs, 18 large book cases, 76 small book cases, 123 slateboards, 9 wardrobes, 53 umbrella stands, 7 washstands, 11 tables, 55 platforms and 110 galvanized ash cans.

Your attention is called to the accompanying detailed inventory of furniture and heating apparatus, with their present value estimated upon two-thirds of the cost.

In addition to expressing my gratitude to you all I desire to thank the officers, teachers and other employees of the Board for the courtesy extended me.

Very respectfully,

C. W. KEIDEL,
Superintendent of Supplies.

INVENTORY OF FURNITURE, HEATING APPARATUS, ETC., IN THE SCHOOLS DECEMBER 31, 1896.

SCHOOLS.	Number of Seats.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases.	Black Boards.	Clocks.	Organs.	Pianos.	Wardrobe.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
Baltimore City College	939	56	78	16	130	19	1	16 13	1 1	2	2	8	4	8	4	4	2	\$6,850 00
Eastern Fem. High School.	416	25	84	24	125	7	7	22 36	2	2	2	12	4	9	4	2	2	5,340 00
Western Fem. High School.	798	90	159	18	115	16	7	wall 26	1 1	1	1	16	9	12	9	2	2	9,750 00
Balto. Polytechnic Institute	422	46	12	46	954	14	1	wall 13	1	1	1	16	2	16	2	15	22	5,356 00
Col'd Man'l Train'g School.	225	12	11	11	67	8	6	25 1	1 1	1	1	1	1	1	1	15	22	900 00
Totals	2,800	229	321	81	1,391	64	14	63 56	4 4	3	3	46	10	46	10	17	24	\$28,196 00
Male Grammar No. 1.	403	64	10	36	36	2	6	34	1	1	1	1	1	1	1	1	2	\$3,300 00
" " 2.	420	42	10	30	30	2	10	wall 21	1	1	1	6	1	1	1	1	1	2,320 00
" " 3.	212	20	7	19	19	1	10	18	1	1	1	2	1	1	6	1	1	1,700 00
" " 4.	352	29	8	28	28	1	7	28	1	1	1	2	1	1	2	8	16	1,400 00
" " 5.	364	26	7	18	18	3	6	20	2	1	1	1	1	1	1	8	14	1,200 00
" " 6.	504	44	12	24	24	1	9	24	1	1	1	6	1	1	5	3	2	2,650 00
" " 7.	500	38	9	24	24	2	10	25	1	1	1	1	1	1	1	1	2	2,220 00
" " 8.	484	56	2	44	44	3	15	wall 2	1	1	2	3	1	1	1	1	1	2,850 00
" " 9.	166	14	3	18	18	1	7	20	2	1	1	1	1	1	1	5	8	600 00
" " 10.	480	39	1	26	26	3	12	36	2	1	1	1	1	1	1	8	16	1,550 00
" " 11.	424	32	8	24	24	2	6	15	1	1	1	1	1	1	6	1	2	1,830 00
" " 12.	456	31	9	24	24	1	6	17	1	1	2	2	1	1	5	3	6	1,900 00
" " 13.	250	29	10	22	22	3	4	20	1	1	1	1	1	1	1	7	12	1,125 00
" " 15.	655	63	16	36	36	12	1	48	2	1	1	4	1	1	5	1	2	2,850 00
" " 16.	452	32	8	30	30	2	7	24	1	1	1	1	1	1	6	1	2	2,700 00
" " 17.	410	30	10	32	32	2	7	23	1	1	1	1	1	1	1	10	20	1,300 00
" " 18.	351	35	17	20	20	2	6	wall 1	1	1	1	1	1	1	1	1	1	2,560 00
" " 19.	389	32	8	38	38	2	8	wall 2	2	1	1	1	1	1	1	1	1	2,470 00
" " 20.	780	32	11	38	38	2	10	wall 1	1	1	1	6	1	1	1	1	1	2,860 00
" " 21.	500	40	10	36	36	2	8	26	2	1	2	1	1	1	1	13	24	1,650 00
" " 22.	338	28	8	19	19	2	4	23	1	1	1	1	1	1	4	2	3	1,700 00
Totals, Male Grammar	8,890	756	23	204	586	51	160	401 30	22	27	27	49	21	22	48	78	136	\$42,735 00

SCHOOLS.	Number of Seats.	Book Cases.		Chairs.	Settees.		Teachers' Desks.	Rear Seats.	Black Boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
		Large.	Small.		Settees.	Seats.														
Female Grammar No. 1...	492	40	38	10	38	40	10	26	36	1	1	1	1	1	2	1	6	1	2	\$2,850 00
" " 2...	531	42	...	10	...	42	10	30	wall	1	1	1	1	1	8	1	a	1	1	2,150 00
" " 3...	214	19	...	6	...	19	6	17	7	20	1	1	1	1	1	1	a	1	7	900 00
" " 4...	362	26	15	7	...	26	7	24	8	26	1	1	1	2	2	2	...	8	16	1,500 00
" " 5...	356	30	4	8	...	30	4	15	2	6	20	1	1	1	2	1	...	7	16	1,250 00
" " 6...	516	34	12	9	...	34	12	45	2	6	28	1	1	2	4	1	a	3	4	1,700 00
" " 7...	582	46	...	12	...	46	12	36	13	29	2	1	1	1	6	1	a	4	8	2,750 00
" " 8...	474	46	8	10	...	46	8	40	14	wall	1	1	1	1	2	1	a	1	2	2,400 00
G. & P.	174	10	...	6	...	10	6	15	1	10	1	1	1	1	3	1	...	7	12	750 00
" " 9...	492	29	3	9	...	29	3	24	32	1	1	1	1	1	1	1	...	8	16	1,500 00
" " 10...	420	28	...	7	...	28	7	26	7	18	2	1	2	2	5	1	a	1	1	1,250 00
" " 11...	458	28	5	9	...	28	5	36	1	6	24	1	1	4	2	1	a	3	6	1,300 00
" " 12...	362	32	7	7	...	32	7	24	2	7	22	1	1	4	4	1	...	7	14	1,225 00
" " 13...	606	45	...	11	...	45	11	35	2	10	14	2	1	2	4	1	...	2	2	2,700 00
" " 14...	422	32	...	8	...	32	8	30	2	7	24	1	1	4	2	1	a	1	2	1,850 00
" " 15...	440	30	...	10	...	30	10	32	2	7	23	1	1	1	4	1	...	10	18	1,550 00
" " 16...	367	35	...	7	...	35	7	20	2	6	wall	1	1	1	6	1	a	1	...	2,400 00
" " 17...	498	45	...	9	...	45	9	38	2	8	wall	1	1	1	4	1	a	1	...	2,700 00
" " 18...	696	48	...	12	...	48	12	48	3	12	wall	1	1	1	5	1	a	...	...	2,375 00
" " 19...	480	31	...	10	...	31	10	24	1	10	32	2	1	1	3	1	...	10	20	1,550 00
Totals, Fem. Grammar..	8,940	676	92	177	585	45	154	358	24	17	4	29	70	20	22	10	77	147	68	\$36,850 00
English-German No. 1....	686	42	2	13	25	7	4	28	1	1	1	1	1	1	2	1	...	15	30	\$1,950 00
" " 2....	1,112	72	...	20	43	2	16	44	2	2	2	2	4	4	4	4	7	2	4	3,800 00
" " 3....	1,714	84	...	26	48	2	19	49	2	2	2	2	2	4	4	2	2	14	26	3,900 00
" " 4....	1,380	84	...	24	50	2	16	46	2	2	2	2	2	6	6	2	6	2	4	4,300 00
" " 5....	1,107	88	...	26	58	2	18	wall	2	2	2	2	2	2	4	2	Stead	1	...	4,500 00
" " 6....	1,314	84	...	22	58	4	20	wall	2	2	2	2	4	2	20	2	Stead	5	10	5,400 00
" " 7....	468	23	...	6	22	2	6	18	2	1	1	2	2	6	6	2	...	7	14	1,250 00
Totals, Eng.-Ger.....	7,781	477	2	137	304	21	99	185	13	12	..	19	46	13	15	15	46	68	68	\$25,100 00

	Num of	Rear	Sett	Tea	Cha	Larg	Sma	Blac	Choc	Org	Pia	War	Trm	Was	Tab	Fun	Sto	Sec	Est
Female Primary No. 1.....	520	38	49	14	20			8	43	1	1	1	1	1	1	a	1	1	\$1,540 00
" " 2.....	285	18	...	5	14			4	18	1	1	1	1	1	1	a	5	10	800 00
" " 3.....	308	24	...	6	18			8	18	1	1	1	1	1	1	a	1	1	950 00
" " 4.....	300	30	...	6	36			6	wall	1	1	1	1	1	1	c	1	...	2,350 00
" " 5.....	576	45	...	9	18			1	22	1	1	1	1	1	1	c	1	2	1,475 00
" " 6.....	486	35	...	7	28			10	20	1	1	1	1	1	1	c	8	14	1,350 00
" " 7.....	272	24	...	5	24			6	12	1	1	1	1	1	1	c	2	4	750 00
" " 8.....	362	35	...	7	26			6	8	1	1	1	1	1	1	c	8	15	1,150 00
" " 10.....	244	18	...	7	18			5	20	1	1	1	1	1	1	c	5	9	850 00
" " 11.....	572	40	...	10	23			9	16	1	1	1	1	1	1	c	1	1	2,475 00
" " 12.....	408	33	...	8	20			6	28	1	1	1	1	1	1	c	9	9	1,350 00
" " 13.....	336	26	...	6	22			1	6	wall	1	1	1	1	1	c	1	...	1,650 00
" " 14.....	388	28	...	6	30			1	25	1	1	1	1	1	1	c	1	1	1,100 00
" " 15.....	392	33	...	10	24			6	28	1	1	1	1	1	1	c	9	14	1,350 00
" " 16.....	318	27	...	6	20			2	22	1	1	1	1	1	1	c	7	14	1,150 00
" " 17.....	334	28	...	7	16			1	24	1	1	1	1	1	1	c	6	12	850 00
" " 18.....	292	22	...	6	18			2	26	1	1	1	1	1	1	c	1	...	950 00
" " 19.....	150	20	...	4	22			3	wall	1	1	1	1	1	1	c	18	34	2,250 00
" " 20.....	278	52	...	17	36			11	55	1	1	1	1	1	1	c	7	14	2,000 00
" " 21.....	338	31	...	6	18			2	20	1	1	1	1	1	1	c	8	12	1,150 00
" " 22.....	384	30	...	6	17			1	21	1	1	1	1	1	1	c	4	1	1,300 00
" " 23.....	412	26	...	6	18			5	12	1	1	1	1	1	1	c	4	4	2,100 00
" " 24.....	332	42	...	9	36			7	wall	1	1	1	1	1	1	c	1	...	2,050 00
" " 25.....	450	34	...	8	36			5	20	1	1	1	1	1	1	c	16	16	950 00
" " 26.....	260	30	...	6	18			1	5	20	1	1	1	1	1	c	14	14	1,250 00
" " 27.....	372	42	...	10	18			5	26	1	1	1	1	1	1	c	14	14	1,100 00
" " 28.....	310	27	...	7	18			7	25	1	1	1	1	1	1	c	1	1	1,175 00
" " 29.....	368	24	...	6	18			2	6	1	1	1	1	1	1	c	2	2	1,450 00
" " 30.....	382	46	...	10	18			1	30	1	1	1	1	1	1	c	1	1	1,700 00
" " 31.....	330	28	...	6	18			5	wall	1	1	1	1	1	1	c	1	...	1,600 00
" " 32.....	360	24	...	6	18			1	5	wall	1	1	1	1	1	c	1	...	1,675 00
" " 33.....	330	24	...	6	18			1	5	wall	1	1	1	1	1	c	1	1	1,750 00
" " 34.....	330	20	...	4	36			1	5	wall	1	1	1	1	1	c	1	1	1,300 00
" " 35.....	340	24	...	6	26			6	wall	1	1	1	1	1	1	c	5	8	750 00
" " 36.....	172	24	...	4	16			1	4	10	1	1	1	1	1	c	1	...	1,600 00
" " 37.....	303	30	...	6	27			1	5	wall	1	1	1	1	1	c	1	...	1,600 00
" " 38.....	322	12	...	5	12			4	10	1	1	1	1	1	1	c	6	8	650 00
Totals, Female Primary.	12,916	1,094	68	263	819	48	217	565	38	37	...	391	124	37	37	...	173	248	\$51,090 00

INVENTORY OF FURNITURE, HEATING APPARATUS, ETC., IN THE SCHOOLS—Continued.

SCHOOLS.	Number of Seats.	Rear Seats.	Settees.	Teachers' Desks.	Chairs.	Book Cases.		Black Boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
						Large.	Small.												
Colored High School.....	275	32	...	8	48	4	6	42	1	1	..	2	4	1	2	d	1	1	\$2,600 00
" Grammar No. 1....	422	28	...	6	12	2	5	12	1	1	..	1	2	1	1	...	4	8	1,200 00
" " 2.....	354	36	...	6	18	2	5	14	1	1	..	1	1	1	1	...	10	18	1,260 00
" " 3.....	292	30	...	11	30	6	8	26	1	1	..	1	2	1	1	...	10	18	1,200 00
Male Colored No. 1.....	270	24	...	4	16	1	4	12	1	1	..	1	2	1	1	6	1	1	1,860 00
" " 2.....	308	30	...	7	22	1	9	20	1	1	..	1	2	1	1	...	6	10	1,020 00
" " 3.....	526	38	...	7	30	1	7	wall	1	1	..	2	1	1	1	8	1	1	2,950 00
" " 4.....	376	24	...	6	18	2	6	18	1	1	..	1	1	1	1	...	6	10	1,000 00
" " 5.....	246	20	...	5	18	1	4	15	1	1	..	1	2	1	1	...	5	10	850 00
" " 6.....	288	24	...	9	16	9	2	15	1	1	..	1	2	1	1	...	6	9	975 00
" " 7.....	534	39	...	10	30	1	9	28	1	1	..	1	2	1	1	6	1	2	2,250 00
" " 8.....	330	25	...	6	20	2	3	14	1	1	..	1	1	1	1	2	6	10	1,000 00
" " 9.....	626	46	...	14	30	2	10	wall	1	1	..	2	2	1	1	4	5	10	2,050 00
M. & F. " 10.....	498	38	...	9	30	2	9	wall	1	1	..	2	2	2	2	Nread	...	...	1,750 00
Female " 1.....	524	24	...	6	24	1	6	18	1	1	..	1	3	1	1	d	...	...	1,300 00
" " 2.....	340	26	...	7	19	2	6	16	1	1	..	1	3	1	1	...	6	14	1,100 00
" " 3.....	542	38	...	10	30	1	7	wall	1	1	..	1	3	1	1	d	...	...	2,300 00
" " 4.....	334	26	4	8	10	1	4	25	1	1	..	1	3	1	1	...	6	10	1,000 00
" " 5.....	248	20	...	5	18	1	4	15	1	1	..	1	2	1	1	...	5	10	1,000 00
" " 6.....	282	23	11	7	16	1	3	16	1	1	..	1	1	1	1	...	7	8	1,350 00
" " 7.....	546	37	...	12	28	1	11	31	1	1	..	2	1	1	2	d	2	4	1,450 00
" " 8.....	304	25	...	6	24	1	4	32	1	1	..	1	2	1	1	d	3	6	950 00
" " 9.....	794	52	...	12	30	2	3	wall	1	1	..	1	2	1	1	d	6	12	1,475 00
Totals, colored.....	9,269	705	24	178	537	47	135	369	23	23	..	27	48	24	26	26	98	173	\$33,890 00

INVENTORY OF FURNITURE, HEATING APPARATUS, ETC., IN THE SCHOOLS—Continued.

PUBLIC SCHOOL COMMISSIONERS.

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Schools.	Number of Seats.	Rear Seats.		Settees.	Teachers' Desks.	Chairs.	Book Cases.		Black Boards.	Clocks.	Organs.	Pianos.	Wardrobes.	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Estimated Valuation.
		Large	Small																	
Annex No. 1.....	312	28	1	6	14	1	4	1	1	1	1	1	1	1	1	1	1	6	10	\$650 00
" 2.....	1,122	62	6	12	36	6	6	26	1	1	1	1	1	1	1	1	1	14	26	1,850 00
" 3, Male.....	318	28	1	6	18	1	1	16	1	1	1	1	1	1	1	1	1	8	16	1,000 00
" 3, Female.....	254	18	2	5	12	12	5	12	1	1	1	1	1	1	1	1	1	6	12	950 00
" 4.....	364	28	1	6	24	6	5	1	1	1	1	1	1	1	1	1	Smead	1	1	1,275 00
" 5.....	354	30	2	6	18	6	12	10	1	1	1	1	1	1	1	1	1	6	12	850 00
" 6.....	326	30	1	6	24	6	5	1	1	1	1	1	1	1	1	1	1	1	1	1,275 00
" 7.....	484	32	2	8	18	1	12	7	1	1	1	1	1	1	1	1	1	5	8	1,600 00
" 8.....	1,002	48	2	14	36	2	12	1	1	1	1	1	1	1	1	1	1	1	1	4,000 00
" 9.....	614	26	2	6	18	2	10	1	1	1	1	1	1	1	1	1	1	6	14	750 00
" 10.....	186	22	1	5	20	1	6	12	1	1	1	1	1	1	1	1	1	4	8	600 00
" 11.....	619	48	2	12	40	2	10	1	1	1	1	1	1	1	1	1	1	1	1	3,800 00
" 13.....	836	52	2	14	40	2	12	32	1	1	1	1	1	1	1	1	1	1	1	2,650 00
" 14.....	150	7	1	2	6	1	3	6	1	1	1	1	1	1	1	1	1	3	6	350 00
" 15.....	478	40	2	10	29	2	3	1	1	1	1	1	1	1	1	1	1	1	1	2,850 00
" 16, Male.....	408	30	1	6	20	1	5	12	1	1	1	1	1	1	1	1	1	1	1	2,150 00
" 16, Female.....	340	30	1	6	20	1	5	12	1	1	1	1	1	1	1	1	1	1	1	1,600 00
" 17.....	316	24	1	6	20	1	6	14	1	1	1	1	1	1	1	1	1	1	1	1,500 00
" 18.....	284	26	1	7	18	1	6	14	1	1	1	1	1	1	1	1	1	6	12	1,000 00
" 19.....	240	15	1	6	12	1	4	8	1	1	1	1	1	1	1	1	1	3	6	625 00
" 1, Colored.....	158	10	1	3	6	1	3	4	1	1	1	1	1	1	1	1	1	3	5	325 00
" 2.....	112	4	1	3	6	1	3	7	1	1	1	1	1	1	1	1	1	2	4	300 00
" 3.....	142	14	1	4	8	1	3	6	1	1	1	1	1	1	1	1	1	3	5	350 00
Totals, Annex.....	9,419	652	31	154	463	31	115	209	24	20	1	24	79	25	20	5	80	144	\$32,300 00	

^a Included in Male Grammar Department. ^b Included in Female Grammar Department. ^c Included in Male Primary Department.

^d Included in Male Colored Department. ^e Included in Male Annex Department.

NOTE—At the request of the Secretary the inventory this year shows the number of seats (room for 1 pupil) instead of the number of desks as formerly.

INVENTORY OF FURNITURE, HEATING APPARATUS, ETC., IN THE SCHOOLS—RECAPITULATION.

SCHOOLS.	Number of Seats.	Rear Seats.		Settees.	Teachers' Desks.	Chairs.	Book Cases.		Clocks.	Organs.	Pianos.	Wardrobes	Umbrella Stands.	Wash Stands.	Tables.	Furnaces.	Stoves.	Screens.	Valuation. \$
		Large.	Small.				Large.	Small.											
Baltimore City College..	939	56	78	16	130	19	1	16	13	1	1	2			8	4			\$6,850 00
East Fem. High School..	416	25	84	24	125	7		22	3		2				12	4	2		5,340 00
West Fem. High School.	798	90	159	18	115	16	7	wall	26	1	1				9	Steam			9,750 00
Balto. Polytechnic Inst.	422	46		12	954	14		wall	13	1					16	2			5,356 00
Col. Man'l Training Sch'l	225	12		11	67	8	6	25	1	1									900 00
Male Grammar	8,890	756	23	204	586	51	160	401	30	22		27	49	21	22	48	78	136	42,735 00
Female Grammar	8,940	676	92	177	585	45	154	358	24	17	4	29	70	20	22	10	77	147	36,850 00
English-German	7,781	477	2	137	304	21	99	185	13	12		19	46	13	15	14	46	68	25,100 00
Male Primary	14,016	1,165	34	275	909	50	223	538	38	37	1	43	163	37	39	37	147	253	58,875 00
Female Primary	12,916	1,094	68	263	819	48	217	565	38	37		39	124	37	37		173	248	51,090 00
Colored	9,269	705	24	178	537	47	135	369	23	23		27	48	24	26	26	98	173	33,890 00
Annex Schools	64,612	5,102	564	1,315	5,131	326	1,002	2,509	222	152	9	187	500	152	207	145	636	1,049	276,736 00
	9,419	652		154	463	31	115	209	24	20	1	24	79	25	20	5	80	144	32,300 00
Totals	74,031	5,754	564	1,469	5,594	357	1,117	2,718	246	172	10	211	579	177	227	150	716	1,193	309,036 00

PAPERS RELATING TO BALTIMORE CITY COLLEGE.

FACULTY.

FRANCIS A. SOPER, A.M., PRESIDENT,
Professor of Higher Mathematics.

CHARLES F. RADDATZ, VICE-PRESIDENT,
Professor of German and History.

A. L. MILLES, B.A.,
Professor of French and Latin.

POWELLATAN CLARKE, M.D.,
Professor of Natural Sciences.

CHARLES C. WIGHT,
Professor of English and History.

A. Z. HARTMAN, A.M.,
Professor of Latin and Greek.

J. N. HANK, A.M.,
Professor of Latin and Mental Philosophy.

JOSEPH H. ELLIOTT, SECRETARY OF FACULTY,
Professor of Book-keeping and Penmanship.

S. F. NORRIS,
Professor of Astronomy and Mathematics.

ALEXANDER HAMILTON,
Professor of English and Mathematics.

G. EMORY MORGAN, A.M.,
Professor of Latin and English.

HENRY S. WEST, A.B.,
Professor of Drawing.

PHILIP H. FRIESE,
Professor of Natural Sciences and English.

JULIUS G. MILLER,
Professor of Mathematics and Latin.

A. NEWTON EBAUGH, PH.D.,
Professor of History and Political Economy.

WILBUR F. SMITH,
Adjunct Professor of Mathematics and English.

CURRICULUM.

FIRST YEAR.

History of United States,
History of England,
Writing,
Composition,
Drawing,
Physics,

English Literature,
Latin,
Book-keeping,
Algebra,
Geometry.

SECOND YEAR.

Composition,
English Literature,
Book-keeping,
Physics,
Drawing,
Latin,

German,
Geometry,
History of Rome,
Mensuration,
Elocution,
Constitution of Maryland.

THIRD YEAR.

Composition and Elocution,
English Literature,
Drawing,
Latin,
Chemistry,
Review of Mathematics,

History of Greece and Eastern Na-
German, [tions,
Greek (optional),
French,
Trigonometry and applications,
Rhetoric.

FOURTH YEAR.

English Literature and essays,
Chemistry,
Latin,
Greek,
French,
Surveying and Navigation,

German,
Drawing,
Analytical Geometry,
Astronomy,
Civil Government,
Elocution.

FIFTH YEAR.

Latin,
Greek,
Calculus,
English Literature and essays,
Mental Philosophy,
Political Economy,

French,
German,
Chemistry,
Astronomy,
Drawing,
Elocution.

RECITATIONS.

112th and 113th Terms.

RECITATIONS HEARD EACH WEEK BY THE RESPECTIVE PROFESSORS.

PROFESSOR SOPER—Calculus, 4 times; Analytical Geometry, 6 times; Preparation, 4 times.....	14
PROFESSOR RADDATZ—German, 21 times; English History, 2 times; Preparation, 1 time.....	24
PROFESSOR MILLES—Latin, 9 times; French, 15 times	24
PROFESSOR CLARKE—Natural Philosophy, 6 times; Chemistry, 18 times	24
PROFESSOR WIGHT—English Literature, 15 times; Rhetoric, 9 times...	24
PROFESSOR HARTMAN—Greek, 12 times; Latin, 12 times.....	24
PROFESSOR HANK—Latin, 20 times; Mental Philosophy, 2 times; Preparation, 2 times.....	24
PROFESSOR ELLIOTT—Book-keeping, 21 times; Writing, 1 time; Preparation, 3 times.....	25
PROFESSOR NORRIS—Trigonometry, 12 times; Astronomy, 3 times; Surveying and Navigation, 4 times; Review Mathematics, 4 times; Preparation, 1 time.....	24
PROFESSOR HAMILTON—Geometry, 18 times; Review Mathematics, 4 times; Algebra, 2 times; Preparation, 1 time.....	25
PROFESSOR MORGAN—Latin, 15 times; English Literature, 6 times; Composition, 1 time; Preparation, 2 times.....	24
PROFESSOR WEST—Drawing, 24 times; Preparation, 1 time.....	25
PROFESSOR FRIESE—Composition, 8 times; Natural Philosophy, 12 times; History of United States, 3 times; Preparation, 1 time.	24
PROFESSOR MILLER—Latin, 10 times; Algebra, 6 times; Composition, 2 times; Geometry, 4 times; Preparation, 3 times	25
PROFESSOR EBAUGH—History, 19 times; Political Economy, 2 times; Civil Government, 2 times; Preparation, 1 time.....	24
PROFESSOR SMITH—History, 3 times; English Literature, 6 times; Writing, 5 times; Algebra, 4 times; Geometry, 2 times; Composition, 4 times; Preparation, 1 time.....	25

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

Fifth Year.—J.—Calculus, 4; French, 2; German, 2; Chemistry, 3; English, 3; Drawing, 1; Latin, 4; Mental Philosophy or Greek, 2; Astronomy, 1; Political Economy or Greek, 2—24.

Fourth Year.—I¹ and I².—Analytical Geometry, 3; French, 2; German, 2; Chemistry, 3; English, 3; Drawing, 1; Latin, 4; Greek, or Surveying and Navigation, 4; Astronomy, 1; Civil Government, 1—24.

Third Year.—H¹, H² and H³.—French, 3; German, 2; Chemistry, 3; English and Rhetoric, 3; Drawing, 1; Greek or Review Mathematics, 4; Latin 4; Trigonometry, 4; History of Greece and Eastern Nations, 1—25.

Second Year.—B¹, B² and B³.—German, 3; Physics, 2; English Literature, 2; Drawing, 2; Latin, 4; Book-keeping, 3; Geometry, 4; Composition, 1; History of Rome and Constitution of Maryland, 2—23.

First Year.—A¹, A², A³, A⁴, A⁵ and A⁶.—Latin, 5; History of England, 2; Drawing, 2; Book-keeping, 2; Writing, 1; Geometry, 2; Algebra, 2; English Literature, 2; Physics, 2; Composition, 2; History of United States, 1—23.

ROLL FOR THE YEAR 1896.

Number of students on roll December 31, 1895.....	663
Number admitted by promotion during 1896... ..	349
Number admitted from private schools during 1896.....	20
Whole number on roll during 1896.....	1,032
Number withdrawn during 1896.....	296
Number graduated in June, 1896.....	38
Number re-entered during 1896.....	7
Number on roll December 31, 1896.....	705
Average attendance during 1896.....	612
Average number on roll during 1896.....	651
Percentage of attendance for the year	94
Number on roll June 30, 1896	549
Number of those who returned after summer vacation.....	407
Number of new students entered after September 8, 1896	366
Whole number on roll from September 8 to December 31, 1896.....	773
Number withdrawn from September 8 to December 31, 1896	68

GRADUATES.

Alfred Ward Aaron,
Charles Henry Behn,
Clifton Doll Benson,
Ernest Stuart Catling,
Eugene Fauntleroy Cordell, Jr.,
Garnett Yelverton Clark,
Perley Wheeler Clark,
Henry Carter Downes,
Harry Tilden Lorenzo Fallon,
Martin Vincent Flaherty,
Joseph Francis Graham,
Elmer Haulenbeek,
James Ferdinard Hayward,
Gustavus Warfield Hobbs, Jr.,
Walter Washington Hoopes,
Leon Lewis Joyner,
John Andrew Korff,
Walter Marshal Krager,
Herman William Kurrelmeyer,

John Pollard La Barrer,
Charles Howard Lewis,
Frank Frederick Luthardt,
Henry Baker Reiley,
James Claggett Robertson,
Wilbur Winchester Rogers,
William Rossberg,
Charles Schmidt,
Tyrrell Bradbury Shertzer,
Watson Elmer Sherwood,
Francis Marion Simpson,
Irving Spear,
Walter Nelson Stromenger,
Charles Mann Taliaferro,
Richard Henry Thomas,
Jesse Wootton Williams,
Robert Preston Winterode,
Robert Colston Ziegler,
William Christian Zies.

RECIPIENTS OF PEABODY PRIZES.

Of the First Grade—One Hundred Dollars Each:

CLIFTON DOLL BENSON,

CHARLES HENRY BEHN,

HERMAN WILLIAM KURRELMAYER.

Of the Second Grade—Fifty Dollars Each:

PERLEY WHEELER CLARK,
WALTER WASHINGTON HOOPES,

HENRY CARTER DOWNES,
WALTER NELSON STROMENGER.

Recipient of Shakesperean Prize:

ERNEST STUART CATLING.

Papers Relating to Baltimore Polytechnic Institute.

FACULTY.

SESSION 1896-1897.

JOHN W. SAVILLE, LL.B., PRESIDENT,

Engineering.

RICHARD H. UHRBROCK, VICE-PRESIDENT,

Higher Mathematics.

WILLIAM DUGENT,

Instructor in Pattern-making and Wood-turning.

WILLIAM G. RICHARDSON,

Instructor in Chipping, Filing and Machine Construction.

WILLIAM H. HALL,

Instructor in Chemistry, Physics and History.

J. WARD WILLSON, M.D.,

Instructor in Anatomy, Physiology and Hygiene.

ALBERT McCLEAN,

Instructor in Forging.

B. WHEELER SWEANY,

Instructor in Mechanical and Architectural Drawing.

JOHN L. YATER, JR.,

Instructor in Algebra and Arithmetic.

*THOMAS G. FORD,
Instructor in Carpentry.

*GEORGE M. GAITHER,
Instructor in Carpentry.

*WARREN S. SEIPP,
Instructor in Free-Hand Drawing.

FREDERICK D. J. KAESMANN,
Instructor in German.

WILLIAM A. JONES,
Instructor in Sheet Metal Work.

SAMUEL M. NORTH,
Instructor in Algebra.

WILLIAM S. BLAKE,
Instructor in Literature, English and Oratory.

*RALPH L. WILLIAMS,
Instructor in Arithmetic.

JOSEPH C. O'CONNOR,
Instructor in Carpentry, Reading and Spelling.

FREDERICK W. WILD,
Instructor in Sheet Metal Work.

*B. H. BRANCH,
Instructor in Electricity.

*Graduates of this Institute.

THE COURSE OF STUDY.

The course of study covers three years, and the school time of the student is about equally divided between mental and manual exercises. It is similar to the usual high school course, with the exception that the study of ancient languages is replaced by instruction in drawing and in the care and use of tools. One hour per day is given to drawing, one hour and a-half to shop work and two hours and a-half to academic study.

The course of study embraces five parallel lines, as follows:

First—A course in Mathematics, including Algebra, Arithmetic, Book-keeping, Geometry, Mensuration and Trigonometry.

Second—A course in Science, including Chemistry, Geography, Physics, Physiology, Steam Engineering and Electricity.

Third—A course in the English and in the German Language and Literature, and in History.

Fourth—A course in Free-Hand and Mechanical Drawing and Designing.

Fifth—A course in Tool Instruction, including Carpentry, Wood-carving and Turning, Pattern-making, Moulding, Soldering, Brazing, Vise and Machine Shop Work, and the Care and Management of Steam Engines and Boilers.

GRADUATES.

Armstrong, Samuel Hosea.	Loeser Erich Albert.
Bennett, Howard Douglass.	‡Mencken, Henry Louis.
Boss, James Gomalial, Jr.	‡Patterson, Harold Vincent.
Boykin, William Augustine, Jr.	Powell, Harry Clay, Jr.
Burwell, Robert Lemmon.	Ross, Gilmor Meredith.
Diggs, Harry Parr.	Scott, Thomas Quincy.
Glendmeyer, Fred'k Ludwig Henry.	*Silverthorn, Henry Bonn.
Hamilton, William Howard.	Smith, William Henry.
Hawks, Arthur Worthington, Jr.	Von Stein, Frederick Worthington.
Hennighausen, Louis Kemp.	Sweeny, Roscoe Conkling.
Homer, Harry Louis.	Wilson, Charles Edwin.
Jones, Ludford Cohoon.	Wilson, Olin Alexander.
Kohn, Leon Alvyn.	

POST GRADUATES.

Ackermen, William Felter, '89. Soine, William Henry, '92.

*Received the Class of '93 Electrical Medal, having graduated with the highest average in Electrical Engineering.

†Received the Steam Engineering Medal, having graduated with the highest average in Steam Engineering.

‡Received the Alumni Medal, having graduated with the highest general average.

ROLL.

Number of students on roll December 31, 1895	522
Number of students admitted during the year.....	379
	901
Total number in the Institute during the year.....	
Number withdrawn during the year....	351
Number graduated.....	25
	376
Number now on roll.....	525
Average enrollment during the year....	484
Percentage of attendance during the year.....	92.6

NIGHT CLASSES.

Number on roll December 31, 1895.....	411
Number admitted.....	675
	1,086
Total number in the Institute during the year....	
Number withdrawn during the year.....	467
	619
Number now on roll.....	
Total number on roll in day and night classes....	1,144

Papers Relating to the Eastern Female High School.

FACULTY.

WILLIAM F. WARDENBURG, PRINCIPAL,
Astronomy, Book-keeping, Trigonometry.

MARY C. GEDDES,
Geometry, Composition, Mental Philosophy.

LAURA V. DEVALIN,
English Literature, Composition, Mental Philosophy.

ELIZA E. NICOLAI,
Natural Philosophy, Composition, Astronomy.

M. MATILDA MULLIN,
Drawing.

LEONORA E. CARPENTER,
History, Composition.

SUE M. LOHRFINCK,
Elocution, Composition, Physiology.

MARY C. BASIL,
Composition, Algebra, Geometry.

KATE M. LEWIS,
Algebra, Composition, History.

THEODOCIA B. MAHON,
Algebra, Composition, Geometry.

MARGARET GARRETT,
Composition, Literature, Latin.

ANNA B. DIETRICH,
German.

MARGARET D. KELLUM,
Latin.

J. HARRY DEEMS,
Music.

GRADUATES.

Appleby, Olla May	Hall, Alma Margaret	Norris, Grace Belle
Baker, Carrie Louisa	Hanna, Bessie Chase	Peed, Bertha Pauline
Blake, Florence E.	Hirshberg, Carrie	Reth, Mary Magdalene
Bowie, Maud Estelle	Holmes, Martha L.	Reynolds, Elizabeth
Brown, Theresa	Hook, Annie E.	Robinson, Esther H.
Curry, Sarah D.	Hunter, Milly L.	Rumsey, Ellen Brown
Dolfield, Georgia Cooper	Johnston, Mary J.	Sachs, Ida
Donahue, Anna L.	Jones, Edith	Sapp, Amy Elizabeth
Dortch, S. Pearl	King, Estelle L.	Schmidt, Anna
Erdman, Daisy P.	King, Janet	Schumack, Annie D.
Fisher, Edith	Lurmann, Emma A.	Shipley, Annabel
Frazier, Lottie Virginia	Malchow, Grace S.	Simpson, Sarah S.
Fry, Bessie	McAfee, Eva May	Smith, Maggie Bessie
Gaddess, Anne Grace	McGinn, Anna Agnes	Spengemann, Ida E. M.
German, Bessie A.	McLaughlin, Cora Edna	Sti Non, Mabel B. L.
Gibson, Bessie E.	McLellan, Maude O.	Sutherland, Emma T.
Gilmour, Daisy W.	Medinger, Henrietta R.	Sutherland, Grace
Gordon, Avondale N.	Moxley, Anna Denton	Swormstedt, Mary L.
Grace, Mary A. H.	Neily, Haddie Hands	Thomas, Sadie Reese
Graham, Julia Etta	Nicol, Mary Virginia	Tinker, Minnie
Haas, Hattie	Nordorft, Clara C.	Wood, Jennie Faulac

RECIPIENTS OF PEABODY MEDALS.

FIRST GRADE.

Annie E. Hook,	Emma A. Lurmann,	Grace S. Malchow.
Grace Belle Norris,	Anna Schmidt,	

SECOND GRADE.

Mary Magdalene Reth,	Jennie Faulac Wood,	Maude Octavia McLellan
Lottie Virginia Frazier,	Daisy W. Gilmour,	Cora Edna McLaughlin,
Mary A. Hyland Grace,	Anna Agnes McGinn,	Bessie Chase Hanna.
Georgia Cooper Dolfield,		

ADDITIONAL NUMBER RECEIVING TICKETS TO PEABODY LECTURES.

Mabel B. L. Sti Non,	Carrie Louisa Baker,	Minnie Tinker,
Mary L. Swormstedt,	Esther H. Robinson,	Alma Margaret Hall,
Milly L. Hunter,	Bessie A. German,	Janet King.
Ida Sachs,		

CLASS RECITATIONS.

Recitations Made Each Week by Different Classes.

- L. M.—Mental Philosophy, 3; Trigonometry, 3; History, 2; Elocution, 1; Drawing, 2; Music, 2; Composition, 1; Astronomy, 3; German, 3; Latin, 5—25.
- H, I, K.—English Literature, 2; Elocution, 1; Algebra, 2; History, 2; Geometry, 3; Book-keeping, 2; Drawing, 2; Music, 2; Composition, 1; German, 3; Latin, 5—25.
- E. F, G.—Algebra, 3; Composition, 2; Drawing, 2; Elocution, 1; Geometry, 3; German, 3; History, 2; Literature, 3; Natural Philosophy, 2; Vocal Music, 2; Latin, 2—25.
- A, B, C, D.—Literature, 3; Elocution, 1; Algebra, 5; Natural Philosophy, 3; Drawing, 2; Music, 2; Composition, 2; History, 2; Physiology, 2; Geometry, 3—25.
-

ROLL.

Number of pupils on roll December 31, 1895.....	452
Number admitted by promotion during 1896.....	148
Number admitted from private schools during 1896.....	8
Number admitted by transfer during 1896.....	2
Number re-entered during 1896.....	3
Total number in school during the year.....	613
Average enrollment.....	421
Average attendance (92 per cent).....	388
Number withdrawn during the year.....	122
Number transferred during the year.....	4
Number graduated.....	63
Number now on roll.....	424

Course of Study in the Female High School.

FIRST YEAR.

Algebra,
Composition,
Drawing,
Elocution,
Geometry,

History,
Literature,
Natural Philosophy,
Physiology,
Vocal Music.

SECOND YEAR.

Algebra,
Composition,
Drawing,
Elocution,
Geometry,
German,

History,
Latin,
Literature,
Natural Philosophy,
Vocal Music.

THIRD YEAR.

Algebra,
Book-keeping,
Composition,
Drawing,
Elocution,
Geometry,

German,
History,
Latin,
Literature,
Vocal Music,

FOURTH YEAR.

Astronomy,
Composition,
Drawing,
Elocution,
German,

History,
Latin,
Mental Philosophy,
Trigonometry,
Vocal Music.

Papers Relating to the Western Female High School.

FACULTY.

ANDREW S. KERR, PRINCIPAL,
Latin.

PAMELA A. HARTMAN,
English Literature, Mental Philosophy, Composition.

SARA S. RICE,
Elocution, Literature, Composition.

JANE S. WILLIAMS,
Algebra, Astronomy, Composition.

EMMA COWMAN,
Natural Philosophy, Literature, Physiology, Composition.

HENRIETTA C. ADAMS,
History, Composition.

LOUISA C. SAUMENIG,
Geometry, Book-keeping, Trigonometry.

ANNA P. TUDOR,
Latin, Geometry, Composition.

ANNIE O. SOLLERS,
Geometry, Natural Philosophy, Composition.

MARY H. THOMIZ,
Physiology, Algebra, Composition, Literature.

FRANCES RUTTER,
Geometry, Natural Philosophy, History, Composition.

IMOGEN GEORGE,
English Literature, History, Composition.

ELIZABETH HELSBY,
Algebra, Drawing, Composition.

ADA M. SPENCER,
Algebra, Natural Philosophy, Physiology, Composition.

ELIZA J. DAVIS,
Drawing.

FRANCES A. CASPARI,
German.

JOHN G. WEHAGE,
Vocal Music.

GRADUATES.

Alford, Margretta H.	Glanding, Carrie Virginia	Pilson, Florence S.
Bankard, Lillie D.	Gore, Lillian Ruth	*Read, Mary Larrabee
Banks, Susie	Hahn, Ida A.	Rippard, Helen W.
Bartlett, Lida	Hazeltine, Stella W.	Robinson, Florence S.
Bond, Laura Kierle	Hynson, Edith Dushane	Ruark, Lucy D.
Brown, Birdie Evelyn	Johnson, Elizabeth L.	Schryver, Edith May
Brown, Caroline Taxis	Kinsey, Emma Elizabeth	Sindall, Dora May
Buck, Bessie B.	Lenderking, Frieda	Smith, Emily Katherine
Chambers, Leila Anna	Lester, Anna Hatton	Staib, Mary Emilia
Clark, Bertha May	Martin, Jane Hooper	Taylor, Maude E.
Collins, Blanche Eliz'h	Martin, May Florine	Thompson, Jane Ethel
Cotton, Lucy B.	Maxwell, Helen Motter	Tompkins, Lela Jane
Dietz, Minnie	McCleary, Rose Louise	VanMeter, Katherine S.
Figg, Sadie Estelle	Nyburg, Caroline L.	Waidner, Clara Louise
Fiske, Grace Bradford	Patton, Mary G.	Watkins, Annie E.
Franke, May	Peterson, Lillian Mae	Williams, Beulah H.
Freburger, Mamie Louise	Phillips, Estelle Mabel	

RECIPIENTS OF PEABODY PRIZES.

FIRST GRADE.

Caroline L. Nyburg,	May Florine Martin,	Mamie L. Freburger.
Leila A. Chambers,	Anna H. Lester,	

SECOND GRADE.

Lida Bartlett,	Clara L. Waidner,	Carrie V. Glanding,
E. Kate Smith,	Blanche E. Collins,	Carrie T. Brown,
Rose L. McCleary,	Bertha May Clark,	May Franke.
Marie E. Staib,		

ADDITIONAL NUMBER RECEIVING TICKETS TO LECTURES OF PEABODY INSTITUTE:

Grace B. Fiske,	Florence S. Robinson,	Jane H. Martin,
Katherine S. Van Meter,	Lela J. Tompkins,	Stella W. Hazeltine.
Frieda Lenderking,	Susie Banks,	Lucie D. Ruark.
Lucy B. Cotton,		

*Miss Mary Read and Miss Beulah Williams stand respectively 2d and 12th in their class, but having lost a year through sickness, did not complete the course in four consecutive years and could not receive the Peabody Honors to which they would otherwise have been entitled.

STATISTICS.

Promoted from grammar schools June, 1896.....	321
Failed to enter September, 1896	63
Admitted from grammar schools.....	258
Examined from private schools.....	18
Admitted from private schools.....	10
Returned after summer vacation.....	375
Re-entered	11
Admitted from grammar schools.....	258
Admitted from private schools.....	10
Admitted from transfer.....	14
On roll, after organization in September	668
Average number on roll during the year	601
Average number in attendance	555
Percentage of attendance.....	92.3

CHANGES IN THE NUMERICAL CONDITION OF THE CLASSES.

	4th Year.	3d Year.	2d Year.	1st Year.	Total.
On roll December, 1895...	52	83	167	330	632
On roll June, 1896.....	50	78	132	240	500
Graduated June, 1896.....	50	..	...	...	50
On roll September, 1896...	76	102	182	306	668
On roll December, 1896 ...	75	99	176	287	637

Amount of tuition fees collected from non-resident pupils..... \$120

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

M¹ AND M² CLASSES.—Astronomy, 3; Composition, 1; Drawing, 2; Elocution, 1; German, 3; History, 2; Music, 2; Mental Philosophy, 3; Trigonometry, 3; Latin, 5.

L AND K CLASSES.—Algebra, 2; Book-keeping, 2; Composition, 1; Drawing, 2; Elocution, 1; Geometry, 3; German, 3; History, 2; Literature, 2; Music, 2; Latin, 5.

I, H AND G CLASSES.—Algebra, 3; Composition, 1; Drawing, 2; Elocution, 1; Geometry, 3; German, 3; History, 2; Literature, 3; Physics, 3; Music, 2; Latin, 2.

F, E, D, C, B AND A CLASSES.—Algebra, 5; Composition, 2; Drawing, 2; Elocution, 1; History, 2; Literature, 3; Physics, 3; Physiology, 2; Music, 2; Geometry, 3.

Papers Relating to Colored High School.

FACULTY.

GEORGE LEWIS STALEY, PRINCIPAL,
Latin, Mental Philosophy, Moral Science, Etymology, Physiology.

BESSIE L. RICE,
Elocution, Literature, Trigonometry, Composition, Music.

MARY E. HUDGINS,
Rhetoric, Composition, Latin, Astronomy.

NELLIE M. O'CONNOR,
Algebra, Book-keeping, Geometry.

KATIE L. FLYNN,
History, Composition, Grammar, Literature.

SARAH E. SEAGER,
Physics, Etymology, Arithmetic, History.

OLIVIA F. KEACH, CARRIE WEICHERT,
Drawing.

GRADUATES.

ANDERSON, J. HENRY,

BAILEY, MARY.

BRAXSTON, EDGAR.

BROWN, CONSTANTIA.

EVANS, WALTER M.

FAUNTLEROY, HATTIE.

HALL, EDNA J.

HATCHETT, SALLIE B.

HITCHENS, ELIZABETH S.

HUGHES, FLORENCE.

JOHNSON, JAMES.

LYNCH, LOUISA.

LESTER, CHARLES.

MURPHY, ROSE.

MORSELL, SAMUEL.

RAYNER, ALICE.

STEWART, ELLA.

SAUNDERS, VERONICA.

WEBB, SEDONIA.

ROLL.

Number of pupils on roll December 31, 1895.....	140
Admitted from public schools.....	46
Admitted from private schools.....	0
Re-entered.....	0
Admitted by permit (new).....	3
Total number in school during the year....	189
Number withdrawn during the year.....	33
Number graduated.....	19
Number now on roll.....	137

CLASS RECITATIONS.

Recitations Made Each Week by the Different Classes.

Fourth Year.—Mental Philosophy, 2; Trigonometry, 2; History, 2; Literature, 2; Grammar, 2; Elocution, 1; Drawing, 1; Latin, 3; Music, 2; Composition, 2; Astronomy, 3; Moral Science, 1; Algebra, 2—25.

Third Year.—Natural Philosophy, 2; Literature, 2; Rhetoric, 1; Elocution, 1; Algebra, 3; History, 3; Geometry, 3; Drawing, 1; Latin, 3; Music, 2; Composition, 1; Grammar, 2; Book-keeping, 2—25.

Second Year.—Algebra, 2; Arithmetic, 1; Composition, 1; Drawing, 1; Latin, 3; Geometry, 3; History, 3; Literature, 2; Natural Philosophy, 2; Rhetoric, 1; Music, 2; Etymology, 1; Grammar, 2; Elocution, 1—25.

A and B Classes.—Etymology, 2; Literature, 2; Elocution, 1; Algebra, 2; Arithmetic, 2; Physiology, 1; Natural Philosophy, 2; Drawing, 1; Music, 2; Composition, 1; History, 3; Latin, 4; Grammar, 2—25.

COURSE OF STUDY

— IN THE —

COLORED HIGH SCHOOL.

FIRST YEAR.

Etymology,
Literature,
Elocution,
Algebra,
Arithmetic,
Physiology,
Natural Philosophy,

Drawing,
Music,
Composition,
History,
Latin,
Grammar.

SECOND YEAR.

Algebra,
Composition,
Latin,
History,
Rhetoric,
Music,
Arithmetic,

Drawing,
Geometry,
Literature,
Natural Philosophy,
Etymology,
Grammar,
Elocution.

THIRD YEAR.

Literature,
Rhetoric,
Algebra,
History,
Drawing,
Music,
Natural Philosophy,

Elocution,
Geometry,
Latin,
Composition,
Grammar,
Book-keeping.

FOURTH YEAR.

Mental Philosophy,
History,
Literature,
Grammar,
Latin,
Composition,
Moral Science,

Trigonometry,
Algebra,
Elocution,
Drawing,
Music,
Astronomy.

Papers Relating to Colored Manual Training School.

FACULTY.

Principal,
WILLIAM R. RYAN,
DRAWING AND ENGINEERING.

First Assistant,
SAMUEL T. LESTER,
HIGHER MATHEMATICS AND ENGLISH.

Instructors in Academic Department,
WILLIAM M. MALOY,
SCIENCE AND ENGLISH.

HENRY DEUSSEN,
MATHEMATICS AND ENGLISH.

Instructor in Wood-Working,
CHARLES J. P. SCHMIDT,
CARPENTRY, PATTERN-MAKING AND WOOD-TURNING.

Instructor in Metal Department,
JOHN E. AULD,
FORGE SHOP AND RAILING WORK.

Instructor in Metal-Working,
FRANK W. WATERMAN,
MACHINE SHOP AND SHEET METAL WORK.

THE COURSE OF STUDY.—(General.)

The complete course of study covers three years, and the school time of the students is about equally divided between mental and manual exercises. One hour per day is given to drawing, two hours to shop work and two and a-half hours to the usual academic studies.

The course of study embraces five parallel lines, as follows :

- First—A course in English Language and Literature, Composition, U. S. Constitution and Civil Government, and Ancient and Modern History.
- Second—A course in Science and applied Mathematics, including Geology, Physics, Chemistry, Physiology, Mensuration, Book-keeping, Commercial business, Typewriting and Engineering.
- Third—A course in pure Mathematics, including Arithmetic, Algebra, Geometry and Trigonometry.
- Fourth—A course in Free Hand, Architectural and Mechanical Drawing, Designing and Penmanship.
- Fifth—A course of Tool Instruction, including Carpentry, Wood-carving, Wood-turning, Pattern-making, Moulding, Soldering, Brazing, Vise and Machine-shop work, Care and Management of Steam Engines and Boilers. and Military Drill.
-

ROLL.

Number of pupils on roll December 31, 1895	79
Number of pupils admitted from public schools.....	28
Number of pupils admitted from private schools ..	0
<hr/>	
Number of pupils in school during year	107
Number of pupils withdrawn during year	23
<hr/>	
Number of pupils now on roll.....	84
Average number on roll during year	76
Average attendance for the year	68
Percentage of attendance for the year	89

GRADES FOR PRIMARY SCHOOLS.

[September, 1895 As Amended to April, 1896.]

FIRST GRADE—FIRST YEAR.

READING—First Half Year.—Use objects or pictures, blackboard, slates, Fisher's card and reading chart. From the beginning lead the pupils to associate words with the things, qualities or actions of which they are the representatives. First present the object to their attention and then the word that names it. After a few simple words have been learned in this way combine each object-word with other simple words to form sentences which the pupils are to be taught to read. Continue this exercise with a series of simple object-words. In all new sentences present repetitions of word-forms previously learned and introduce new words gradually. Teach writing from the first, beginning with small letters of the simplest forms, as wholes, and afterward combining the letters to form simple words. Give much repetition in new combinations of letters previously learned. Use the reading chart after the written forms of a few words have been thoroughly taught. Begin with script instead of printed words.

Second Half Year.—Swinton's Primer and First Reader. Supplementary reading to repeat word-forms in new sentences. Continue to practice writing words and sentences and reading them. In this and all subsequent reading work take special care to see that the thought to be expressed is in the mind of the pupil before requiring him to read aloud. Insist upon a distinct and audible utterance and correct pronunciation. Pupils must not be permitted to acquire the habit of drawling or reading disjunctively. Teach them to see whole phrases and to speak them as wholes. The articles *a*, *an* and *the* and the unemphasized little words *in* and *to*, etc., should be pronounced as unemphasized prefixes. For example, *a float*, *a boat*, should be spoken as single words, like *a float*, *about*, etc. Never allow the too common fault of hesitating in learning to read. Make the pupils familiar with the matter of each reading lesson by conversation and explanation, so as to lead them to read it at sight. To this end the new words of each lesson should be written on the blackboard and fully explained. The pupils should also be required to copy them into sentences before allowing them to read the lesson. Oral spelling from the reading lesson.

ARITHMETIC—First Half Year.—Teach numbers from one to twenty. **Second Half Year.**—Teach to one hundred. Develop the *idea* of number, as wholes; with objects, numeral frame, marks, etc. While doing this do not at first permit the pupil to *count* unless the objects to be counted are actually present. Treat each number above 1 with all possible combinations of the preceding numbers to produce it by adding, and with its separations by subtracting them from it—

First. With objects, numeral frame, marks, etc., without figures.

Second. With objects and figures.

Third. Mentally with abstract numbers.

Fourth. With simple practical examples.

Train the pupils to recognize the number at sight without conscious effort at counting, as they recognize the words, *day*, *man*, etc. Encourage the children to talk, but require their answers to be full and complete sentences.

Miscellaneous examples for rapid solution by adding and subtracting.

Appleton's First Lessons in Arithmetic to be used in oral teaching in all the grades. Follow closely the methods of the author, intended to develop arithmetical knowledge.

SLATE WORK.—*First Half Year*.—Addition, the result to be no greater than 20. *Second Half Year*.—No greater than 100. Teach coins from one cent to twenty, inclusive; pint; quart; inch.

In advanced classes of this grade the teacher is expected to carry the pupils as far as the condition of the class will warrant. Such a class, properly graded, should be able to accomplish the work of the first half-year of the second grade.

LANGUAGE.—Purpose: to accustom pupils to express what they know in correct forms of speech. Oral exercises from objects and pictures connected with the reading and observation lessons, including the lessons in numbers and whatever the ingenuity of the teacher may suggest. Use Hyde's or Sheldon's Language Lessons so far as applicable to First Grade.

PENMANSHIP.—Begin with the thirteen small letters, combining them into short, easy words. Be careful that the copies set are in good writing. After the pupils are able to write fairly well, exercise them in copying easy sentences. Require them to read what they have written. The idea of form and symmetry is to be required at this point, rather than the making of nice lines. The copying of printed forms from books as an exercise must not be allowed.

DRAWING.—One hour per week. The position of points, then of straight lines, with the names and shapes of the simplest geometric forms, and the drawing of objects based on these forms, also the bisection of lines.

MUSIC.—New American Music Reader No. 1. Through page 12.

SECOND GRADE—SECOND YEAR.

READING AND SPELLING.—Swinton's Second Reader. Supplementary reading. Exercises in articulation and pronunciation. Written and oral spelling from the reading lessons. A few short pieces of suitable poetry carefully learned and frequently recited. Require the pupils to write the words before spelling them orally by letters. Accustom pupils in written spelling to recognize all the characters in the word-forms, such as the *apostrophe*, etc. Require them to memorize the alphabet as an acquisition for future use. Observe directions in previous grade.

ARITHMETIC.—Combinations and separations of numbers to one thousand. Adding, subtracting and multiplying—

First. Without figures.

Second. With figures, using no amounts or minuends greater than one thousand or multipliers greater than nine. Roman numerals to C.

Coins continued. Pint, quart, gallon. Pint, quart, peck and bushel. Hour, day, week, month and year. Dozen. Inch, foot and yard. Ounce and pound.

SLATE WORK.—Write and read numbers containing six figures. Addition, subtraction and multiplication with not more than three figures as a multiplier. Simple practical problems. Teach well the multiplication table through 9×12 . Illustrate the construction of the table with objects, the numeral frame, etc. Give oral drills in rapid combinations of numbers.

LANGUAGE.—Work of first grade continued. Short stories told or read to the pupils and reproduced by them orally. Pupils to give expression to thoughts suggested by objects and pictures or by observation lessons. Use Hyde's or Sheldon's Language Lessons so far as applicable to First and Second Grades.

PENMANSHIP—*First Half Year.*—Review the writing of the small letters and teach the writing of all the capitals and all the marks of punctuation. Give daily practice in writing words and sentences taught in the language and reading lessons. Give exercises in writing from dictation and transforming printed language into script. Accept no careless work.

Second Half Year.—Practice in movements of the arm, hand and fingers with the pen held correctly, using suitably ruled copy-books for such work—

First. Copying from the blackboard or from slips.

Second. Writing selections in script from the reading book.

Third. Words, phrases, sentences and short stories from dictation.

DRAWING.—One hour per week. Books with straight line designs are provided, additional forms taught, with the trisection of lines.

MUSIC.—New American Music Reader No. 1. Through page 20.

THIRD GRADE—THIRD YEAR.

READING.—Swinton's Third Reader. Exercises in articulation and pronunciation. Written and oral spelling selected from Swinton's Third Reader. A few appropriate selections of poetry carefully read, learned and frequently recited. Observe directions in previous grades.

ARITHMETIC.—The text book in this grade is to be used for *reading* and *thinking* as well as for drill work.

Writing and reading integers to and including millions. Miscellaneous exercises in addition, subtraction, multiplication and division of integers. In long division the divisor not to exceed four figures.

Multiplication table reviewed and continued through 12×12 . Roman numerals to M, and ordinal numbers as needed in connection with the reading and other lessons.

Coins previously studied and paper currency. Second, minute, hour, day, week, month and year. Time of day by the clock. Units of dry and liquid measure previously studied, thoroughly reviewed. In this grade the ground rules—addition, subtraction, multiplication and division—thoroughly reviewed; collateral practice with exercises for rapid execution—adding columns of figures, etc.

PENMANSHIP.—Practice in movements of the arm, hands and fingers with the pen held correctly. Use practice paper one hour a week. One writing book or its equivalent, completed each half year. Copying from the blackboard. Writing selections and dictation exercises in blank books.

LANGUAGE.—Work of second grade continued with oral and written exercises; short stories read silently and then reproduced orally and in writing; stories written from pictures; letter writing begun. Statements, questions and commands. The pupils must be able to illustrate the proper use of each by original examples, both oral and written.

Correct use of names, persons, cities, streets, the days, months and seasons.

Correct use of the words *I, uncle, aunt, you, is, are, was, were, has* and *been*.

Correct use of the abbreviations, *Mr., Mrs., St. (street), Av. (avenue), Co. (county)*, and those of the names of the days and months.

How to write addresses, dates and initials. Use of the apostrophe in common constructions. Quotations, use of the comma with the names of persons addressed.

Good models illustrating points in capitalization and punctuation to be copied by the pupils.

Exercises on the pronunciation of words commonly mispronounced.

Daily systematic written exercises consisting of short letters, with correct heading, salutation, signature and superscription, reproduction of short stories (first oral, then written), brief descriptions of pets, games, familiar occupations, pictures and stories told and written from them and answers to questions in correct sentences.

Special attention to penmanship, spelling, capitalization and punctuation in every exercise.

GEOGRAPHY.—Second Half Year.—Give conversational lessons on plants, animals, people of different countries and climates, traveling by land and water, etc. Teach the natural divisions of land and water. Cardinal points of the compass. Names of the hemispheres, continents, oceans and grand divisions. General idea of our own country, State and city. Make the study interesting to the pupils, and endeavor by all means to create in their minds clear conceptions of geographical terms. Use the lessons of the book as reading and thinking lessons. All terms and definitions should be learned with accuracy after they are clearly understood. Use either Swinton's or Frye's Primary Geography.

Lessons to develop ideas of—

(1) *Color*—Red, orange, yellow, etc.

Form—Sphere, cylinder, cube, etc.

Place—On, above, under, before, etc.

Size—Large, small, great, little, etc.

Qualities of Objects—Rough, smooth, sweet, etc.

(2) *Lessons on the Human Body*—Parts, use and movement, etc.

(3) *Familiar Plants*—Flower, leaf, stem, root, etc.

Animals—Cat, dog, horse, cow, etc.

Things—Objects in the school-room, etc.

The lessons on this subject should be purely oral with conversational illustrations. One hour a week, at such times as may be most suitable.

DRAWING.—One hour per week. The circle and its parts, the ellipse and oval with flat copies and object lessons based upon the above forms.

Music—New American Music Reader No. 1. Through page 33.

SEWING—*First Half Year*.—Practice correct position, thimble exercise, holding the needle, holding the work, moving and threading the needle, making a knot, using scissors. Stitching canvas, using chenile needle and split zephyr. Basting, running, back stitching, overcasting, hemming, seaming.

Second Half Year.—Instruction about implements and materials for sewing. Inch measure. Review, practical work, using colored cotton and sewing needle.

In all the grades make a list of words that pupils most frequently mispronounce, and drill them in their correct pronunciation; also give frequent and thorough drill upon words containing the vowel sounds properly grouped and arranged.

Particular attention should be paid to addition in all the grades. See that pupils perceive readily the sum of integers without resorting to the counting process.

Principals are authorized and expected to promote to higher grades during the year such pupils as shall evince ability to pursue the studies of the higher grades.

In this course of study more attention should be given to language and reading than to abstract work; and it is expected that principals will see that their assistants understand and follow closely the directions given in the present schedule.

The perceptive faculties should be brought into prominent exercise, as this is the law of childhood and youth. The disposition to discover impels them to activity. Hence the teacher, to be successful with children, must accustom them *to do* and discover for themselves. Train the eye to see, the ear to hear, the hand to do, and through these the mind to think.

GRADES FOR GRAMMAR SCHOOLS.

[September, 1886—As Amended to April, 1896.]

FOURTH GRADE—FOURTH YEAR.

LANGUAGE.—Newell's Third Reader. At least five exercises of an hour each per week. Spell the words in the first half of Newell's Third Reader and those the pupils misspell in written exercises. Continued application of what has been taught in the preceding grades. The two parts of a statement. Use of nouns, proper and common. Plural and possessive forms of nouns. Words that describe and point out objects. Words that assert. Words that show *how*, *when* and *where*. Words used instead of names. Objective and possessive forms of pronouns. Use of *I*, *he*, *she* etc., after *is* and *was*. Words that show relation. Oral and written reproductions, at least once a week, of short stories, and stories from pictures, descriptions of familiar objects, brief letters, special attention being given to their form. Dictation exercises. Short poems to be studied and memorized. Daily systematic written exercises. Special attention to spelling, penmanship, capitalization and punctuation in every written exercise. Exercises in the pronunciation of words commonly mispronounced. Supplementary reading. One writing-book or its equivalent, completed each half year. Recitation of appropriate selections.

HISTORY.—First half of Eggleston's First Book of American History.

ARITHMETIC.—Written and mental. Addition, subtraction, multiplication and division of United States money (no decimal divisors or multipliers). Denominations, *in common use*, of dry measure, long measure, liquid measure, and time, with examples involving their practical application. Common fractions to multiplication. Endeavor to make pupils quick and accurate in working examples in the simple rules.

GEOGRAPHY.—Elementary, New England States and North America. Draw, from memory, map of North America. Frequent drills upon the outline maps of the world.

DRAWING.—One hour per week. Review the work of the preceding years, more attention being given to accuracy of form and finish.

MUSIC.—New American Music Reader No. 2. Through page 28.

SEWING.—Develop the cotton plant from the sowing of the seed to the manufacture of cloth. History of the cotton gin. Names of the threads in all woven fabrics. Review work of preceding grade, using half-bleached cotton cloth, with red and blue cotton, the blue marking the improvement in the work. Basting, running, stitching, hemming, overcasting, overhanding.

SCIENCE.—Dulany's Health Primer. To be used as a supplementary reader.

FIFTH GRADE—FIFTH YEAR.

LANGUAGE.—Newell's Fourth Reader. At least five exercises of one hour each per week. Supplementary reading. Spell the words in the speller from page 15 to page 31, and those the pupils misspell in all written exercises. Continued review and application of the principles taught in the preceding grades. Principal uses of capital letters. Pronouns used as subjects of verbs. Adjectives—Uses of different forms of adjectives; special study of adjectives commonly misused. Verbs, transitive (active and passive forms) and intransitive. Adverbs—Give special attention to negatives. Use and position of modifiers. Use of the comma to separate words and phrases in the same construction. Distinction between adjective and adverb. Prepositions—Special study of prepositions commonly misused. Conjunctions and interjections. Simple and compound sentences. Choice selections to be studied and memorized. Dictation exercises. Correct use of paragraph. Composition—Weekly; descriptions of familiar things and events; letters, the subject being assigned by the teacher, and compositions upon other subjects in which the pupil must give the results of his own observation. Exercises in the pronunciation of words commonly mispronounced. Daily systematic written exercises. Special attention to spelling, penmanship, paragraphing, capitalization and punctuation in every written exercise. One writing-book or its equivalent completed each half year. Recitation of appropriate selections.

HISTORY.—Second half of Eggleston's First Book of American History.

ARITHMETIC.—Written and mental. United States money. Common fractions and decimals. Continue the exercises involving the tables studied in the fourth grade. Explain at the blackboard how the common denominations of square measure are derived from those of long measure, and teach the denominations of square measure *in common use* with simple examples involving their practical application. Frequent practice in the four rules, especially addition.

GEOGRAPHY.—Elementary. Middle Atlantic States, United States, South America. Draw, from memory, maps of Maryland and South America. Frequent drills upon the outline maps of the world.

SCIENCE.—Dulany's Physiology. To be used as a supplementary reader.

DRAWING.—One hour per week. The simplest "working drawings" introduced, and more attention given to sketching leaves and fruit from nature, with the first steps in original design suggested.

MUSIC.—New American Music Reader No. 2. Pages 29-36, and Keys of G. & D.

SEWING.—Patching, stocking darning, resoling stockings, hemming gathers and half-back stitch gathers to bands, tucking, gathering, placket, band.

SIXTH GRADE—SIXTH YEAR.

LANGUAGE.—Newell's Fourth or Fifth Reader. History of Maryland. Supplementary reading. At least five exercises, one hour each, per week. Spell the words in the speller from page 31 to page 46, and those the pupils

misspell in all written exercises. Review and continued application of the principles taught in the preceding grades. Nouns—Singular and plural forms, possessive forms, including compound possessive, and the ways of distinguishing their gender. Pronouns—Personal pronouns, gender, number and case forms; adjective pronouns. Verbs—Person and number forms of verbs; tense, present, past and future; uses of the auxiliaries *shall* and *will*; regular and irregular verbs; participles; principal parts of common verbs, and much practice in using the past tenses and past participles of such verbs in sentences; careful study of *shall* and *will*, *should* and *would*, *learn* and *teach*, *may* and *can*, *lie* and *lay*, and other words commonly misused. Dictation exercises. Careful study of choice selections, with especial reference to the thoughts expressed. Weekly exercises in composition upon topics similar to the ones suggested in the preceding grades. Exercises in the pronunciation of words commonly mispronounced. Special attention to spelling, penmanship, paragraphing, capitalization and punctuation in every written exercise. Recitation of appropriate selections or declamation. One writing book or its equivalent completed each half year. Recitation of appropriate selections.

HISTORY.—Eggleston's History of the United States to Chapter 23.

ARITHMETIC.—Written and mental. Compound numbers. Explain at the blackboard and by cubes how the common denominations of cubic measure are derived from those of long measure. Teach the pupils to perform with ease and accuracy operations in the simple rules and fractions. Practical examples involving the rules taught.

ALGEBRA.—To page 46, Section 80.

GEOGRAPHY.—Higher. Southern States. Central and North Central States. Europe. Draw from memory maps of Maryland and Europe. Frequent drills upon the outline maps of the world.

SCIENCE.—Dulany's Physiology. One lesson a week. Teach the portions relating to hygiene and the nature of narcotics and alcoholic stimulants.

DRAWING.—One hour per week. More attention is given to construction, and from these drawings the objects are made of paper or wood.

MUSIC.—Review previous keys, and teach keys of A and E.

SEWING.—Felling. Buttonholes, loops and eyelets. Tear darning. French hem. Buttonholes and buttons.

SEVENTH GRADE—SEVENTH YEAR.

LANGUAGE.—Newell's Fifth Reader and the History of Maryland. Spell the words in the speller from page 46 to page 61, and those the pupils misspell in all written exercises. Review and continue to apply the principles taught in the preceding grades. Special study of the verb. Review what has been taught about verbs in the preceding grades, and study in addition their manner of asserting. The infinitive. Use of phrases. Independent and dependent clauses. Complex sentences. Relative pronouns—forms of *who*. Distinctive uses of *who*, *which* and *that*. Interrogative pronouns. Use of comma in explanatory, intermediate and

transposed expressions. Quotations, direct and indirect. Use of quotation marks in divided quotations. Careful study of choice selections, with especial attention to the thought expressed. Compositions, weekly, on familiar topics, as in preceding grades. Analysis of simple, complex and compound sentences. Recitation of appropriate selections and declamation. Exercises in the pronunciation of words commonly mispronounced. Special study of letter-writing, giving particular attention to business letters, and to the different forms of heading, address, salutation, conclusion, and superscription required for letters of various kinds. Business forms, including bills, receipts, advertisements, notices of public meetings, telegraphic dispatches, etc. Supplementary reading. Constitution and Bill of Rights of Maryland to be used as supplementary reading at least once in two weeks. One writing book, or its equivalent, completed each half year. Making out bills. Recitation of appropriate selections. Declamation.

HISTORY.—Eggleston's History of the United States to Chapter 37, reviewing sixth grade.

ARITHMETIC.—Written and mental. Percentage, profit and loss, interest, ratio and proportion, discount and partnership. Practical business examples involving the rules which have been taught.

ALGEBRA.—To page 135.

GEOGRAPHY.—Rocky Mountain and Pacific States. Europe reviewed. Africa. Draw, from memory, maps of Maryland and Africa. Frequent drills upon the outline maps of the world.

SCIENCE.—Dulany's Physiology. One lesson a week.

DRAWING.—One hour per week. Parallel perspective is taught in addition to construction and surface decoration.

MUSIC.—Review previous keys and teach keys of F and B \flat .

SEWING.—Gussets. Gores. Bias-cutting and piecing. Facing. Plaiting. French gathers. Overhand gathers to band. Hooks, eyes and loops. Inserting.

EIGHTH GRADE—EIGHTH YEAR.

LANGUAGE.—Newell's Sixth Reader and the History of Maryland. Supplementary reading. Constitution of the United States and the Declaration of Independence to be used as supplementary reading at least once in two weeks. Continue to review and apply the principles taught in the preceding grades. Thorough review of the grammatical principles taught in the fifth, sixth and seventh grades, and more extended work in connection with the careful study of sentences from standard writers. Study in particular: Nouns—Classes, number, gender, case, and leading constructions in different sentences. Pronouns—Classes and declension of personal pronouns. Adjectives—Comparison and correct use. Verbs—Classes, mode, tense, and use of auxiliary verbs. Participles and infinitives. Offices of adverbs. Co-ordinate and subordinate conjunctions. Sentences—Kinds, structure, analysis and uses. Forms and uses of phrases and clauses. Exercises in the pronunciation of words commonly mispronounced. Careful study of choice selections of poetry and prose, with especial reference

to the thought expressed. Compositions at least once a week upon topics similar to those suggested in the preceding grades. Letter-writing and business forms. Declamation and the recitation of appropriate selections. Exercises in writing to be connected with book-keeping and composition. Recitation of appropriate selections. Declamation.

HISTORY.—Complete Eggleston's History of the United States, reviewing the sixth and seventh grades.

ARITHMETIC.—Written and mental. Finish the book, giving particular attention to the subjects taught in the preceding grades, and the following: Commission and brokerage, involution, evolution, mensuration (in connection with this subject review square and cubic measure), single entry book-keeping.

ALGEBRA.—Teach through quadratic equations.

GEOMETRY—*Male Grammar School.*—Wentworth. Books I., II. and IV. to proposition XIV.

Female Grammar School.—Brooks. Books I., III. to proposition VII.; IV. to theorem XV. Practical problems in geometrical construction, pages 93-102.

GEOGRAPHY.—Asia, Oceania and Maryland. Draw, from memory, maps of Maryland and Asia. Frequent drills upon the outline maps of the world.

SCIENCE.—First half year—Physics to acoustics. Second half year—Dulany-Martin's Human Body.

DRAWING.—One hour per week. Angular, perspective and geometric work added to the subjects previously taught.

MUSIC.—Review previous keys; teach keys of *Eb* and *Ab*, and pieces in one, two and three parts.

SEWING.—Ornamental stitching—Hem, herring-bone, feather, chain, Kensington outline, blanket, tapestry. Button-holes in cloth. Cloth darning.

GRADES IN GERMAN FOR THE ENGLISH-GERMAN SCHOOLS.

[March, 1886—As Amended to April, 1895.]

NOTE.—An order of the Board provides for the gradual substitution of the Eclectic series for the Goebel. The classes using the Eclectic are expected to use those parts of the book corresponding as closely as possible to the gradation of the Goebel series.

FIRST GRADE—FIRST YEAR.

READING AND SPELLING (ORAL).—Goebel's First Reader, pages 1 to 24 (No. 47), inclusive.

WRITING.—Copy script letters, words and sentences from the blackboard.

LANGUAGE.—Refer to corresponding English Grade.

MEMORIZING.—Appropriate selections.

SECOND GRADE—SECOND YEAR.

READING.—Goebel's First Reader, from page 24 to end. No. 14 (first division) and No. 3 (second division) optional.

SPELLING.—Goebel's First Reader, from page 27 to 48, inclusive.

LANGUAGE.—Refer to corresponding English grade.

MEMORIZING.—Appropriate selections.

THIRD GRADE—THIRD YEAR.

READING.—Goebel's Second Reader, pages 1 to 74, inclusive.

SPELLING.—Goebel's Second Reader, pages 1 to 39, inclusive.

LANGUAGE.—Refer to corresponding English grade.

TRANSLATION.—Exercises on pages 92-96.

MEMORIZING.—Appropriate selections.

PENMANSHIP.—Taught in connection with written exercises.

FOURTH GRADE—FOURTH YEAR.

READING.—Goebel's Third Reader, pages 1 to 76, inclusive.

SPELLING.—Goebel's Third Reader, pages 1 to 47, inclusive.

TRANSLATION.—Exercises on pages 103-107.

GRAMMAR.—The five declensions of nouns; comparison of the descriptive adjective and its declensions (in the pos. degree), when preceded by the article or a demonstrative or possessive adjective.

LANGUAGE.—Refer to corresponding English grade.

FIFTH GRADE—FIFTH YEAR.

FIRST HALF YEAR.

READING.—Kreis IV., pages 1-60.

TRANSLATION.—Exercises under IV., pages 1-21.

GRAMMAR.—Declensions of adjectives finished, declension of personal pronoun; conjugation of „sein,” „haben,” „werden” (indicative), and prepositions governing the dative.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with written exercises.

SECOND HALF YEAR.

READING.—Kreis IV., page 61 to end.

TRANSLATION.—Exercises under IV., pages 21-41.

GRAMMAR.—Review the preceding grades. Teach declension and use of relative and interrogative pronouns; entire conjugation of the auxiliaries and regular verbs; prepositions governing the accusative.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with written exercises.

SIXTH GRADE—SIXTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V., part second to page 123.

GRAMMAR.—Review. Teach separable, inseparable, reflective, impersonal and irregular verbs. Prepositions with genitive and dative, or accusative. Simple sentences.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Teach from written exercises.

SECOND HALF YEAR.

READING.—Selections from Kreis V.

TRANSLATION.—From Kreis V., second part to page 134, inclusive.

GRAMMAR.—Review preceding grades. Easy compound and complex sentences.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—To be taught daily in connection with all written exercises.

SEVENTH GRADE—SEVENTH YEAR.

FIRST HALF YEAR.

READING.—Selections from Kreis VI., pages 1-65.

TRANSLATION.—From second part of Kreis VI., pages 128-141 (omitting lessons 13, 18, 19).

GRAMMAR.—Review. Complex sentences continued; compound sentences; punctuation.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

SECOND HALF YEAR.

READING.—Selections from Kreis VI., pages 65–127.

TRANSLATION.—From second part of Kreis VI., pages 141–155 (omitting lessons 28–33).

GRAMMAR.—Complex and compound sentences continued; order of words in sentence; punctuation.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

EIGHTH GRADE—EIGHTH YEAR.

FIRST HALF YEAR.

TRANSLATION.—From second part of Kreis VII., lessons 1, 2, 3, 5, 8, 11, 12, 14, 15, 17, 18, 23.

GRAMMAR.—Analysis—substantive, adjective and adverbial clauses. Review.

RECITATION.—Appropriate selections from Kreis VII. (Lyric and Epic Poetry, pages 125–154).

N. B.—A short sketch of the author's life should be given by the teacher.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

SECOND HALF YEAR.

TRANSLATION.—Kreis VII., from lessons 25, 29, 31, 37, 39, 66, 69, 72, 78, 81, 82, 84, 87.

GRAMMAR.—General review. Rendering of the English participle, modal auxiliaries and their English equivalents, passive voice, etc., *e. g.*: “No stopping here!” “It is to be hoped he will pass his examination.” “They spoke of his owing them a large sum of money.” “I was followed.” “He is to be induced to sign the note.” “What are you going to do with it?” etc., (c. f. pp. 231, 233 of reader).

READING.—Selections from Kreis VII.

RECITATION.—(German drama, etc.) Models on pp. 148–154. Kreis VII.

LANGUAGE.—Refer to corresponding English grade.

PENMANSHIP.—Taught in connection with all written exercises.

N. B.—Spelling is to be taught in each of the grades in connection with all written exercises.

List of Books Used in the Public Schools.

FOR BALTIMORE CITY COLLEGE.

- Allen (F. D.)—Euripides' *Medea*.
Allen (W. F.)—Introduction to Latin Composition.
Allen & Greenough—Ovid.
Alexander—Moral Science.
Boise—Homer's *Iliad* (first six books).
Bolmar (A.)—French Verbs.
Brandt—German Grammar.
Bowser—Analytical Geometry.
Chase (R. H.)—Maclean's *Horace*.
Chase & Stuart—Virgil's *Æneid*; Caesar's *Commentaries*; Sallust (with lexicon); and Livy.
Collier (W. F.)—History of the British Empire.
Crittenden—Blanks for New Elementary Book-keeping.
DeFivas—Elementary French Reader.
Dulany—Martin's Elementary Human Body; and Bill of Rights and Constitution of Maryland.
Dana—Text Book of Geology.
Eliot & Storer—Qualitative Chemical Analysis.
Ely—Introduction to Political Economy.
Flagg—Demosthenes' Hellenic Orations.
Goodwin (W. W.)—Greek Grammar; and Greek Reader.
Gildersleeve—Latin Grammar; Latin Reader; New Latin Primer; and Latin Exercise Book.
Gage—Principles of Physics.
Goethe—*Egmont*.
Herodotus—Book VII. (Butler).
Haven (J.)—Mental Philosophy.
Hepburn—Manual of Rhetoric.
Harrington (C. S.)—*Plantus*.
Heath—New German-English and English-German; and French-English and English-French Dictionaries.
Joynes-Otto—Introductory German Lessons.
Jones—Greek Prose Composition.
Johnston—United States History.
Joynes—Schiller's *Der Geisterscher*.
Kendrick—Xenophon's *Anabasis*, with vocab.
Keetel—French Series.
Kendrick (J. B.)—Greek at Sight.
Kelsey—Selected Orations and Letters of Cicero.
Liddell & Scott—Greek-English Lexicon (abridged).
Lessing—*Minna von Barnhelm* (students' classic German plays).
Lounsbury—English Language (new edition).
Lockyer—Astronomy.
Loomis (E.)—Calculus.

- a* Lippincott—Gazetteer of the World, with Supplement (sheep).
 Myers & Allen—Ancient History, Part I. and Part II.
 Meikeljohn—English Language.
 Noel & Chapsal—French Literature.
 Olney—General Geometry and Calculus.
 Packard—New Manual of Book-keeping and Correspondence.
 Prang—Drawing books and manuals of complete course in drawing.
 Quackenbos—First Lessons in Composition; and Composition and Rhetoric.
 Raddatz—Schiller's *Neffe als onkel*.
 Ray—New Higher Algebra.
 Remsen—Organic Chemistry; and Briefer Course in Chemistry (Am. Sci. Series).
 Shepherd (H. E.)—History of the English Language.
 Shaw (T. B.)—New History of English Literature.
 Spencerian—Copy books.
 Sargent—Standard Speaker.
 Tyler (W. S.)—Tacitus' Histories.
 Tomlinson—Latin for Sight Reading.
 Upham—Mental Philosophy (abridged).
 Van Daell—Heine's *Die Harzreise*.
 Voltaire—History of Charles XII. (18 mo.)
 White (J. W.)—First Lessons in Greek.
 Wilson (W.)—The State.
 White (J. T.)—Latin-English and English-Latin Lexicon.
 Whitney (W. D.)—Brief German Grammar; William Tell; and Essentials of English Grammar.
 Westlake—How to Write Letters.
 Wentworth (G. A.)—Plane and Solid Geometry (rev.); Plane and Spherical Trigonometry and Surveying with Tables; and Trigonometry, Surveying and Navigation with Tables.
 Webster—Dictionaries; *a* International and High School.
 Zacho—New American Speaker.

FOR FEMALE HIGH SCHOOLS.

- Adler—Progressive German Reader.
 Anderson (J. J.)—Manual of History; School History of England; School History of France; and Popular School History of United States.
 Boyd—Annotated Poets: Milton; Thomson.
 Brooks (E.)—Geometry and Trigonometry.
 Caswell & Ryan—Book II. (Barcarolle).
 Crittenden—Blanks for New Elementary Book-keeping.
 Dulany—Martin's Elementary Human Body.
 Eichberg & Sharland—Abridged Fourth Music Reader.
 Harvey—Practical English Grammar.
 Harvest Chorus Collection.
 Joynes-Otto—Introductory German Lesson.
 Lockyer—Astronomy.
a Lippincott—Gazetteer of the World, with Supplement (sheep).
 Murdoch—Analytic Elocution.
 Norton (S. A.)—Elements of Physics; and Natural Philosophy.
 Newell & Creery—Revised Fifth and Sixth Readers.
 New American Music Reader No. 3.
 Packard—New Manual of Book-keeping and Correspondence.

a- For teachers.

Prang—Drawing books and manuals of complete course in drawing.
 Ray—New Elementary Algebra.
 Shaw (T. B.)—New History of English Literature.
 Upham—Mental Philosophy (abridged).
 Van Daell—Preparatory German Reader.
 Van Daell & Schrakamp—German Book for Beginners.
 Whitney (W. D.)—Brief German Grammar.
 Westlake—Common School Literature.
 Webster—Dictionaries: *a* International and High School.
 (*For Latin books, see list for Baltimore City College, including Chase & Stewart's Orations (with Lexicon), if desired.*)

FOR BALTIMORE POLYTECHNIC INSTITUTE.

Anderson—Manual of History (new).
 Peck—Physics (Ganot).
Other books as required.

FOR THE COLORED HIGH SCHOOLS.

Chase & Stuart—Horace.
 Quackenbos—Higher Arithmetic.
 Webb—Model Etymology (new edition).
 (*Other books, as required, from the lists for Baltimore City College and Female High Schools.*)

FOR THE GRAMMAR GRADES.

Appleton—Standard Elementary Geography, and Standard Higher Geography (Md. edition).
 Bibles—(12 mo., sheep), and Douay.
 Bert—First Steps in Scientific Knowledge, Parts IV. and V.
 Brooks—*a* New Mental Arithmetic; and *b c* Geometry (eighth grade).
 Creery (W. R.)—Catechism of United States History; and Grammar School Speller.
 Dulany—Bill of Rights and Constitution of Maryland; School History of Maryland; *d* Primer Physiology; Standard Physiology; and Martin's Elementary Human Body.
 Eclectic—Book-keeping.
 Eggleston—New History of United States; and First Book in American History.
b Gifford—Elementary Lessons in Physics.
c Hyde—Language Lessons: Books 1, 2 (with supplement); Advanced Lessons in English.
 Johnston—Outline maps; Eastern and Western Hemispheres; United States; Mexico and Canada; Europe; North and South America; Asia; Africa; and Mercator's Projection.
a Knox-Heath—Elementary Lessons in English (teachers' edition).
a Lippincott—Gazetteer of the World, with Supplement (sheep).
 Meservey—Single entry book-keeping and blanks.

a—For teachers.

b—For Eighth Grade only.

c—To be ordered only as a supply for an entire class becomes necessary, the old series to be as fully used as possible.

d—For Fourth Grade as supplementary reading.

- e* Martenet—Map of Maryland.
c Milne—Elements of Arithmetic; and Standard Arithmetic.
 Newell & Creery—Revised Third, Fourth, Fifth and Sixth Readers.
f New Graded—Fourth, Fifth and Cathcart's Literary Readers (American Educational).
g New American Music Readers, No. 2 and No. 3.
a Powell—How to talk.
 P. D. & S.—System of Penmanship.
 Prang—Drawing books and manuals of complete course in drawing.
f Peabody—Fourth, Fifth and Sixth Readers.
 Quackenbos—First Lessons in Composition.
 Ray—New Elementary Algebra.
 Swinton—Language Lessons; Language Primer; and *f* Third, Fourth and Fifth Readers.
c Sheldon—Language Lessons: Primary and Advanced.
a Southworth & Goddard—Elements of Composition and Grammar.
a Smart—Free Gymnastics (for teachers of girls).
 Sunshine—Song Book.
 Testaments—(32 mo., cloth), and Douay.
f Wright—Nature Readers, III., IV.
b Wentworth—New Plane Geometry.
b Whitney & Lockwood—English Grammar (eighth grade).
 Webster—Dictionaries: *a* International and Common School.

FOR THE PRIMARY GRADES.

- Appleton—First Lessons in Arithmetic; and Reading Charts.
 Butler—Reading Charts.
 Bibles—(12 mo., sheep), and Douay.
a Brooks—New Mental Arithmetic.
 Creery (W. R.)—Primary School Speller.
 Dulany—Primer and First Reader.
 Eggleston—First Book in American History.
 Fisher—A B C Chart, Cards and Table Cards.
 Frye—Primary Geography.
a Hyde—Language Lessons, Book 1.
 Johnston—Outline Maps: Eastern and Western Hemispheres, United States, Mexico and Canada.
a Knox-Heath—Elementary Lessons in English (teachers' edition).
 Monroe (L. B.)—Reading charts.
 McGuffey—Reading charts.
c Milne—Elements of Arithmetic.
f Newell & Creery—Revised First, Second and Third Readers.
f New Graded—Readers I., II., III. (American Educational).
g New American Music Reader No. 1.
 P. D. & S.—System of Penmanship.

a—For teachers.

b—For Eighth Grade only.

c—To be ordered only as a supply for an entire class becomes necessary, the old series to be as fully used as possible.

e—One for each school of grammar grade.

f—Supplementary.

g—To be used under the direction of the Committee on Music.

i—To be used as standard only, as the supply of new graded (American Educational) for any one class becomes exhausted.

j—Only for teachers of the First Grade.

- Prang—Drawing Books and Manuals of complete course in Drawing.
f Peabody—Primer, infant, First, Second and Third Readers.
i Swinton—Primer, First, Second and Third Readers; and Introductory Geography.
a Smart—Free Gymnastics.
 Sunshine—Song Book.
a Sheldon—Primary Language Lessons.
 Testaments—32 mo., (cloth), and Douay.
f Wright—Nature Readers I., II., III.
j Wentworth & Reed—First Steps in Numbers (teachers' edition).
 Webster—Dictionaries: *a* National Pictorial, and Primary.

FOR THE ENGLISH-GERMAN SCHOOLS.

- c* Eclectic—German Primer; and First, Second and Third Readers.
 Klemm—German Text Book (Kreis)—IV., V., VI., VII.
 Payson—German Copy Books.

a—For teachers.

c—To be ordered only as a supply for an entire class becomes necessary, the old series to be as fully used as possible.

f—Supplementary.

i—To be used as standard only, as the supply of new graded (American Educational) for any one class becomes exhausted.

j—Only for teachers of the First Grade.

List of Stationery, Etc., for all the Schools.

Composition (or plain copy) books, 40 pages.

Spelling blanks, 52 pages.

Slates, round corners, wire-bound, 6x9, 7x11, 8x12.

Ink wells, with or without covers.

Lead pencils—Eagle, Faber and Dixon (H. S.)

b Compass pencils—Excelsior and Eagle; compass and divider.

Erasive rubbers—Eagle No. 1076.

Blackboard rubbers—Coughlin No. 4 and National No. 2.

Whiting Mills paper (cap, 12 pounds; letter, 10 pounds; note, 6 pounds).

Manilla paper (for drawing, 40 pounds, and for models, 100 pounds).

Colored papers—4x4 inches, assorted colors.

Envelopes—Buff and white, small and large sizes.

Slate pencils—German, 5½ inches; soapstone, 6 inches, and Eagle (in wood).

Steel pens—Gillott's genuine, Nos. 404 and 303; Esterbrook's School, No. 444; Eagle, Nos. 170 and 410; Spencerian, Nos. 1 and 5.

Pen-holders—Eagle, Nos. 1637, 1539 and 1709; Faber, Nos. 2440 and 2560.

Chalk crayons—Parmenter's; New York Crayon Company's and colored.

Mucilage—Carter's.

Ink—Maynard & Noyes; American Standard Ink Company's fluid; Carter's black letter and fluid; Duval's black and violet.

Rulers.

Gongs—B. & H.; Principals', No. 2400; assistants', No. 2100.

Teachers' inkstknds, with rack.

Roll books.

Knives for sharpening pencils—Eagle No. 2300.

Ink vents.

Recess bells.

Le Page's Liquid glue.

b For Eighth Grade only.

EXTRACTS FROM STATUTES AND ORDINANCES

RELATING TO THE

PUBLIC SCHOOLS OF BALTIMORE CITY.

(Baltimore City Code, 1893.)

STATUTES.

776. The Mayor and City Council of Baltimore shall have full power and authority to establish in said city a system of free public schools, which shall include a school or schools for manual or industrial training, under such ordinances, rules and regulations as they may deem fit and proper to enact and prescribe; they may delegate supervisory powers and control to a Board of Public School Commissioners; may prescribe rules for building school-houses and locating, establishing and closing schools, and may in general do every act that may be necessary or proper in the premises.

777. The Board of Commissioners of Public Schools of Baltimore City shall have power to examine, appoint and remove teachers, prescribe the qualifications, fix the salaries, subject to the approval of the Mayor and City Council, and select text-books for the schools of said city, provided such text-books shall contain nothing of a sectarian or partisan character. They shall annually make a report to the State Board of Education of the condition of the schools under their charge, to include a statement of expenditures, number of children taught, and such other statistical information as may be necessary to exhibit the operation of the schools. * * *

778. The Mayor and City Council of Baltimore shall have power and authority to make all ordinances for the protection of the school-houses and property, and to punish any person who may disturb the sessions of said public schools.

779. They are authorized and empowered to levy and collect upon the assessable property in said city, as other taxes are levied and collected, such amount of taxes as may be necessary to defray all the expenses incurred for educational purposes by them.

780. The Treasurer, on the warrant of the Comptroller, shall pay to the Mayor and City Council the proportion of the free school fund to which said city is entitled.

781. The Orphans' Court of said city shall order and direct the fund arising from intestates' estates that may be administered upon in said court, and which remain undistributed for want of legal representatives of the intestates to claim the same, to be paid to the Board of Commissioners of Public Schools.

782. The court shall not make such order until they shall be satisfied that the intestate left no legal representative living at the time of his or her death, and they shall cause the administrator of such estate to give notice, by advertisement to be inserted for such periods of time and in newspapers published in such places as they may deem necessary, that upon default of the appearance of any legal representative of the intestate by a certain day, to be fixed by the court and named in said advertisement, the estate of said intestate will be paid to the Commissioners of Public Schools.

783. They shall, upon passing an order directing such payment, require from the Treasurer of the Board of Commissioners of Public Schools, or any other officer who may be appointed by the said Board of Commissioners, or the Mayor and City Council of said city, to receive such funds, a receipt and release to the administrator for the same.

784. The release shall contain an obligation that the said funds shall be applied by the Board of Commissioners of Public Schools to the use and support of the public schools of the City of Baltimore, and shall be recorded and preserved in said court as other records are.

785. If the estate of an intestate shall be paid to the Board of Commissioners of Public Schools under this law, and any legal representatives of the intestate of no remoter degrees among collaterals than brothers' or sisters' children, shall at any time appear and prove him, her or themselves to be such legal representatives, the Board of Commissioners of Public Schools who receive such estate, or their successors, if the same shall be in their hands or shall have been applied to the use of the public schools, shall restore the same to such legal representatives out of the school fund under their direction.

Public General Laws of Maryland.

(ARTICLE XLIII.)

31. No teacher in any school shall receive into such school any person as a scholar until such person shall produce the certificate of some regular practicing physician that such an applicant for admission into the school has been duly vaccinated. Any teacher so offending shall, on conviction thereof, forfeit and pay a fine of ten dollars (\$10) for each offence, and no public school trustee or Commissioner shall grant a permit to any child to enter any public school without such certificate under the same penalty.

(ARTICLE LXXVII.)

40. The nature of alcoholic drinks and narcotics, with special instruction as to their effects upon the human system, in connection with the several divisions of the subject of physiology and hygiene, shall be included in the branches of study taught in the common schools, and shall be taught to and studied by all pupils whose capacity will admit of it in all departments of the public schools of the State, and in all educational institutions supported wholly or in part by money from the State. * * * The said text-books must be published, printed and sold in the State of Maryland.

Sections 59, 60 and 61 of Article 77, repealed and re-enacted with amendments at Session of 1896, Chapter 135, and approved April 4, 1896.

59, as amended, provides for free books for all the schools in the State, and that the several Boards of School Commissioners shall furnish annually to the State Board of Education the title, the name of the publisher and the net price paid for each text book purchased, which information shall be set forth in full in the annual report made by the State Board of Education.

61. The said several boards shall keep an account of all money expended under the provisions of this Act, and report the same in the annual financial accounts as required by law, and no money so received by them shall ever be used for any other purpose than for the purchase of school books, as provided by the two preceding sections.

Sec. 2. That the sum of one hundred and fifty thousand dollars (\$150,000) be and the same is hereby appropriated to be paid by the State Treasurer upon the warrant of the Comptroller on the 1st day of August, 1896, and annually thereafter, and to be expended, or so much thereof as may be necessary, for the purchase of text books, as provided in this Act.

Sec. 3. That the whole of said sum shall be apportioned by the Comptroller in the month of July of each and every year, as the State school tax is now apportioned, * * * to be paid to the treasurer of the boards in the same manner as the apportionment of the school tax is now paid.

ORDINANCES.

1. There shall be appointed by the two Branches of the City Council, in convention assembled, at the times and in the manner prescribed in Sections 2 and 3 hereof, twenty-two persons, to be called Commissioners of Public Schools, one Commissioner to be selected from each of the several wards of the city; and said Commissioners shall continue in office for the terms as prescribed in Sections 2 and 3 hereof; provided, that if any Commissioner shall remove from the ward from which he was appointed before the expiration of his term of office, then his place in the Board shall be declared vacant, and the Board may declare vacant the place of any Commissioner who shall absent himself from three successive stated meetings of the Board, without showing satisfactory cause for his non-attendance, after having been duly notified of the same; the Mayor shall always be *ex-officio* a member of said Board.

2. The Commissioners of Public Schools who shall be appointed in the month of February, 1877, shall be appointed for one, two, three and four years, which several terms of service shall be determined by lot at their first meeting and immediately after their organization by the election of a President and Secretary, as provided by Section 5 hereof; the members severally appointed for the First, Second, Third and Fourth Wards shall draw lots for their terms of service, which terms shall be one, two, three and four years respectively, as fixed by the lot then drawn; and the several members for each succeeding four wards, the wards being taken in numerical order, shall determine their terms of service in the same manner as aforesaid.

3. In the month of February, in each succeeding year, the First and Second Branches of the City Council, in convention assembled, shall elect

School Commissioners in place of those only whose terms of office shall at that time expire, and the Commissioners elected, as prescribed by this section, shall continue in office for four years.

4. The First and Second Branches of the City Council, in convention assembled, shall have power to expel a member of the Board of Commissioners of Public Schools, either for persistent neglect of duty or for conduct unbecoming a School Commissioner. Should any vacancy occur in the Board by removal, resignation, death or otherwise, the unexpired term shall be filled in the same manner as provided by the preceding sections hereof.

5. Said Commissioners shall meet within ten days after their election, and at their first meeting they shall proceed to the election of President from their own Board, to be chosen by a majority of the whole body; also a person to act as Secretary, who shall serve one year, unless sooner removed by the Board, and who shall have charge of the rooms, books, papers and documents of the Board, and shall perform such clerical duties as may be required of him by its members or committees. The Board shall assign the duties to be performed by him, and his salary shall be two thousand dollars per annum, payable monthly. If a vacancy should occur in the office of Secretary from any cause whatever, it shall be the duty of the Board to elect a person to fill said vacancy as soon as it can conveniently be done. In all cases a majority of the Commissioners shall constitute a quorum for the transaction of business.

5a. (Approved March 28, 1893). Authorizes the employment of a Clerk to the Secretary, whose duty it shall be to assist the Secretary and Assistant Secretary.

6. Whenever a vacancy or vacancies shall occur in the Board of Commissioners of Public Schools during the session of the City Council, it shall be the duty of the President of the Board to inform the Mayor of such vacancy or vacancies, who shall communicate the same to the First and Second Branches of the City Council, who shall proceed in convention, according to their respective rules, to fill said vacancy or vacancies. If a vacancy or vacancies shall occur during the recess of the City Council, by death, resignation or otherwise, it shall be the duty of the Board to fill the same as soon as may be convenient, the person or persons so elected to serve until the next session of the City Council.

7. There shall be appointed by the Board a suitable person to be the Superintendent of Public Instruction for the City of Baltimore, who shall be a resident of the City of Baltimore, of literary and scientific acquirements and of skill and experience in the art of teaching, and who shall serve for the term of four years, unless sooner removed by the Board. It shall be the duty of the Superintendent to devote his time and attention entirely to the general supervision of the public schools of the city, subject to such rules and regulations as the Board of School Commissioners may establish. It shall especially be the duty of the Superintendent to visit every school under the charge of the Board of Commissioners of Public Schools as often as once in each quarterly session, or four times during the academic year, to examine into its respective studies and to inquire into all matters relating to the government of the schools, such as its curriculum of studies, discipline and course of instruction pursued therein, the text books that are used, the condition of the school houses, and to make a monthly report of the matters thus specified to the Board of Commissioners of Public Schools.

8. There shall be appointed by the said Board a suitable person to be the Assistant Superintendent of Public Schools, who shall be a resident of the City of Baltimore, of skill and experience in the art of teaching, and whose term of office shall be concurrent with that of the Superintendent.

9. It shall be the duty of such Assistant Superintendent of the Public Schools to aid the Superintendent in the supervision of the public schools of the city; he shall visit the primary schools as often as his duties will permit, and make a report of such visits to the Superintendent; he shall assist in the examination of the quarterly reports of teachers, in the preparation of the questions for the semi-annual examination of the classes of the primary and grammar schools, and be subject to such rules and regulations as the Board of Commissioners of Public Schools may establish.

10. In order to advance the interests of the schools committed to his charge the Superintendent, in conjunction with a committee of three members of the School Board, shall, in the forms prescribed by the Board, examine into and ascertain the qualifications of applicants for the situation of teachers, and re-examine, if necessary, any of the teachers employed in the schools under the charge of the Board; and in order further to promote the cause of sound education, and to elevate the character and qualifications of the teachers the Superintendent shall, by all the means in his power, counsel and advise with the teachers in relation to their duties and proper classification of studies, the best methods of imparting instruction, and, in general, as to the proper discipline and management of the schools under their charge.

11. The salary of the Superintendent shall be fixed by the Board of Commissioners of Public Schools, subject to the approval of the two Branches of the City Council; and he shall make annually a report in writing to the Mayor and City Council of all matters of interest or importance in connection with the schools; and shall also, when requested, furnish to the Board of Commissioners of Public Schools of the city a written statement showing the number of schools in the city, the number of pupils under instruction and the teachers employed therein, with such additional information in respect to the matters above specified as may be deemed advisable and necessary.

12. The salary of the Assistant Superintendent of Public Instruction in Baltimore City shall be two thousand dollars (\$2,000) per annum.

13. The Board of School Commissioners are authorized and directed to appoint annually, at the same time that the Secretary of the said Board is elected, a suitable person, a citizen of Baltimore, who shall be known as the Superintendent of Supplies.

14. It shall be his duty, under the instructions from the Board of School Commissioners, to supervise, take care of and have general control of all furniture, stoves, furnaces, fuel, repairs and other incidental supplies, which are now in possession of the Board, or which may be purchased by order of the Board; be responsible to the Board for their condition, and report from time to time as the Board may direct, and perform such other duties with reference thereto as may be required by the Board.

15. His salary shall be eighteen hundred dollars (\$1,800) per annum, the amount to be taken out of the appropriation made to the said Board of School Commissioners for salaries.

16. The Register is authorized to receive, through the Secretary of the Board, all moneys from the teachers and all other funds due the School Board, and pay out of the funds standing in the treasury of the city to the credit of the public schools any orders that are provided for in the levy for school purposes, after having been examined by the Committee on Accounts and passed by the Board, signed by the President and countersigned by the Secretary of the Board of Commissioners of Public Schools.

17. The said Board of Commissioners of Public Schools shall have charge of the public schools in operation in the City of Baltimore, and of all such as may be in operation during their continuance in office, and it shall be their duty to employ teachers and determine their salaries, subject to the approval of the Mayor and City Council; to prescribe the courses of study and the books to be used; to make all such by-laws for their own government and all such rules and regulations for the management of the schools as they may deem expedient, and to modify and repeal the same at their pleasure; provided, that such by-laws, rules and regulations so made or modified be not inconsistent with the laws of the State or the ordinances of the city. And it shall further be the duty of said Board, at such time as other city officers are required to report, to report to the Mayor and City Council a statement of their transactions, with an account of their receipts and expenditures during the year last passed, and their resources for the year then commenced. The schedule of salaries of all officers, employees and teachers shall stand as now fixed. (The Code contains the schedule).

18. The Commissioners of Public Schools shall have charge of all the buildings used for school purposes, and they are hereby authorized to make all necessary repairs in the school-houses of the city, provided the same shall not exceed the sum of three hundred dollars (\$300).

19. The said Board is authorized and directed to rent out, except for political purposes, for such compensation as to them may seem just and reasonable, the main halls in the Eastern and Western Female High School buildings, for public purposes, at such times and under such regulations as to them may appear right and proper; provided, the same shall not be rented so as to interfere with or interrupt the regular exercises of the schools.

20. The revenue derived therefrom, as provided in the preceding section, shall be accounted for by the said Board and paid over by them to the Register, who is directed to place the same to the credit of the public school fund.

21. The said Board shall not employ in building, repairing or improving, or in furnishing stationery or any other kind of supplies, any member of said Board; nor shall any member of said Board be interested, directly or indirectly, in any contract whatever for the use of the public schools.

22. The Board of Commissioners of Public Schools shall advertise for proposals in the purchase of all supplies for said schools to the amount of *fifty dollars and over, and said proposals shall be opened in the presence of the City Comptroller, the City Register and a Committee of said Board, who together shall constitute a Board to award all contracts, except those for musical instruments, which shall be awarded as follows: The said Board of Commissioners of Public Schools, or its Committee on Music, shall select not less than three responsible and reputable manufacturers of the class of instruments required, and shall designate by proper specifications the char-

* By ordinance approved April 18, 1894, this amount was made "not in excess of two hundred dollars."

acter and style of the instrument to be furnished, and shall receive bids from those selected, which shall be opened before the above Board of Award, and the said Board of Award shall award the contract, in its discretion, to the lowest or next to the lowest bidder, for such a period as it may think proper, not to exceed five years.

23. In awarding all other contracts, the Committee of the Board of Commissioners of Public Schools shall have one vote, the Comptroller one vote and the Register one vote; but in awarding contracts for musical instruments each member of the Committee on Music shall have one vote, the Comptroller one vote and the Register one vote.

24. The salaries of the Superintendent, Assistant Superintendent and Secretary of the Board, and of the teachers and all other persons permanently employed by the Commissioners of Public Schools, shall be paid monthly, on the last day of each month, by the City Register; and he is hereby authorized, in case of any deficiency in the collection of the school fund, or in anticipation of the levy for the same, to advance, from time to time, to said fund such sums as shall be required for the payment of said salaries at the time when they shall be due.

25. There shall be no charge for tuition, or for the use of books and stationery in any of the public schools, but it shall be the duty of the Commissioners to furnish, free of all cost, to the pupils and their parents all the necessary tuition and the use of books and stationery for the several schools, and in general whatever fuel or other supplies the schools may require—the same to be paid for from the public school fund.

26. The public schools of Baltimore are designed exclusively for the education of those pupils whose parents, or in the case of orphans whose guardians are citizens of Baltimore, or residents of Baltimore with a *bona-fide* intention to become citizens.

27. The Board of Commissioners of Public Schools are hereby directed, before admitting the children of non-resident parents or guardians into the public schools of the City of Baltimore, to charge such parents or guardians the following amounts, viz.: For admission to the Baltimore City College, per capita, twelve dollars and fifty cents per quarter; for admission to the Female High Schools, per capita, eight dollars per quarter; for admission to grammar schools, per capita, four dollars per quarter; for admission to primary schools, per capita, three dollars per quarter—the said amount to be paid invariably in advance, and to be paid by the School Commissioners to the Register of the City for account of the school fund; provided, however, that nothing herein contained shall be so construed as to prevent the free admission into said schools of the children of registered voters of the city who are employed by the city in or about Druid Hill Park or the water works there situate, and who reside beyond the city limits.

28. The Commissioners of Public Schools shall not admit any book or books into use in the public schools, or discontinue the use of the same after having been admitted, unless said admission or discontinuance be approved by a vote of a majority of the entire Board in session assembled at a regular meeting of said Board.

29. The said Commissioners of Public Schools are hereby authorized to receive all devises, bequests and donations which may be made for the benefit of said public schools, and all devises, bequests and donations received by said Commissioners, by virtue either of this section or of any Act or

Acts of the General Assembly of Maryland, shall be paid over by them to the Register of the City, who shall place the same to the credit of the school fund; and if any condition or conditions be prescribed in any such devise, bequest or donation, the same shall be applied under the direction of said Commissioners, with the sanction of the Mayor and City Council, agreeably to the intention of the testator or donor; and if no condition be prescribed in any such devise, bequest or donation, it shall not be lawful for said Commissioners to draw all or any part of the amount thereof out of the city treasury during the year in which it was received, unless the collections from the resources and levy of the school fund for said year should fall short of the estimated expenditures forming the basis of said levy, or unless it shall have been already allowed in the estimated resources of the fund for said year; otherwise the same shall be included in the estimates of the ensuing year.

30. All funds which shall be paid to or received by the City Register, or in any other way, or through any other person or persons, passed over and transferred to the Mayor and City Council of Baltimore, pursuant to the provisions of Sections 781 and 784 of Article 4 of the Code of Public Local Laws, title "City of Baltimore," sub-title "Intestates' Estates," shall be held subject to the order of the Board of Commissioners of Public Schools of the City of Baltimore, in like manner as the funds derived from taxation for said purposes are held; and such funds as may be thus received are declared to be a separate and distinct revenue, to be applied to the use and support of the public schools, in addition to the annual tax levied and the annual appropriation made for that purpose.

31. It shall be the duty of the City Register to notify and inform the Board of Commissioners of Public Schools, by a communication in writing, whenever any funds arising from the aforesaid source shall be hereafter received by him, and the amount of the same.

32. Whenever said Commissioners of Public Schools shall intend to apply any portion or all of the aforesaid funds hereafter received from intestate estates, the warrant or order drawn for said funds, or any portion thereof, shall show upon its face that it is drawn upon said funds; and it shall be the duty of the City Comptroller and the City Register to keep a separate account of all receipts and disbursements for said special and specific fund.

33. The Mayor is authorized, upon the presentation to him of satisfactory evidence of the existence of any just and valid claim on the part of the corporation, on account of the school fund, against a certain estate, and which claim it is, in his judgment, judicious to prosecute, to employ for that purpose the services of one or more agents, and to agree with such agent or agents for such compensation to him or them as he may deem fair and reasonable; provided, the said compensation shall be entirely contingent upon the recovery of the money.

34. All assessments for paving or repaving in front of any of the public schools or lots of ground attached thereto, and also all assessments of benefits for opening or widening any street or streets, so far as the public schools may be interested, shall be paid by the Register out of any unappropriated money in the treasury.

35. It shall not be lawful for said Board of Commissioners of Public Schools to exceed in their expenditures the amount annually appropriated therefor by the City Council; and it shall be their duty to apply the same

exclusively to the several purposes, and as far as practicable, in the proportion specified in the statement of estimated expenses, on which said City Council shall have based the school fund levy for the year.

36. Whenever any of the pupils of Baltimore City College shall have satisfactorily completed the prescribed term and course of instruction, the Commissioners of Public Schools shall have the power to confer on them testimonials in form as follows, viz.: This certificate is given to ———, a pupil of the Baltimore City College, in testimony that he has pursued and satisfactorily completed the studies of the ——— course of ——— years; and said testimonials shall be signed by the President of the Board, by the Mayor of the city, with the seal of the city attached, by the Committee on the Baltimore City College, and by the Principal, Vice-principal and Professors of said College.

37. Said Commissioners of Public Schools are authorized to cause said testimonials to be engraved on copper or lithographed, with a suitable vignette, the expenses necessarily connected with the preparation of said testimonials to be paid from the school fund: provided, that no Commissioner or teacher shall ever charge or receive any fee or compensation for so signing said testimonials.

38. Said Commissioners of Public Schools shall have power to confer testimonials on pupils of the Eastern and Western Female High Schools in conformity with the requisitions and provisions of the preceding two sections.

39. Whenever any pupil shall leave any of the high schools without having completed the prescribed term and course of instruction, then, and in such cases, said Commissioners shall have power to confer such testimonials on said pupils as said Commissioners may deem to be proper and appropriate to the occasion.

40. It is hereby made the duty of the Board of Commissioners of Public Schools of the City of Baltimore to organize separate schools for colored children (this was done in 1867), and to establish as many schools for the education of colored children of Baltimore City as may, in the judgment of said Board, be necessary.

41. The schools to be established in accordance with the provisions of this ordinance shall be subject to such rules and regulations as may be prescribed by the said Board in its discretion.

43. The Board of School Commissioners are authorized and directed in all colored schools to be hereafter established, and in all colored schools in any territory hereafter annexed to Baltimore City, to appoint teachers of the colored race as instructors in such public schools set apart for colored youths: provided, that they be shown, by examination or such other test as is applied to white teachers, to possess the necessary moral and intellectual qualifications therefor.

44. It shall be the duty of the Superintendent of Public Schools to hold public examinations to which all colored applicants for teachers' positions may and shall be admitted.

45. All such applicants who pass a satisfactory examination shall be certified by the Superintendent of Public Schools to the Board of School Commissioners, and said Board of School Commissioners shall appoint the person so certified to positions as teachers in all colored schools hereafter

established and set apart for the colored race, and also in all such schools in any territory hereafter annexed to Baltimore City.

46. The schools hereafter established for colored children shall be supplied with the colored applicants so certified to the extent of the number applying before teachers of any other race shall be employed in such schools; provided, however, that in no case shall teachers of the white race be employed in any school in which colored teachers are employed.

Ordinance No. 55, of 1895-96, approved April 10, 1896, provides, "That on and after the beginning of the regular school term in 1896 in all the colored public schools of Baltimore City, * * * where white teachers are now, or may be hereafter employed, a gradual system of elimination of such teachers be instituted.

"And that whenever a vacancy occurs in any of said white faculties a white teacher shall be appointed to fill such vacancy temporarily only, and as soon as the vacancies thus temporarily filled shall be sufficient to supply positions for a whole white faculty then teaching in any colored school, said faculty shall be distributed among the other colored schools and their places filled by a whole faculty of colored teachers."

47. The salaries paid to such colored teachers shall be equal to those now paid to white teachers for similar service in the colored schools.

48. Whenever any of the pupils of the colored schools have satisfactorily completed the term and course of instruction prescribed for the pupils of the Colored High School, the Commissioners of Public Schools shall have power to confer upon them testimonials in conformity with the requisitions and provisions of this article relating to the conferring of testimonials upon pupils of the Baltimore City College, and the Eastern and Western Female High Schools.

49. There shall be established at the Baltimore City College, and at each of the two Female High Schools, a library for their use, without charge, under such regulations as may be adopted by the Board of Commissioners of Public Schools.

50. The selection of the books, which shall be only of an instructive and moral character, shall be made by the said Commissioners, or a committee appointed by them for the purpose, and no book deemed by them to be injurious to the morals of the pupils, or of a sectarian character, whether obtained by purchase or donation, shall be admitted in said libraries; and all books purchased under any future ordinance or resolution of the City Council, or otherwise, for this purpose, shall be subject to the restrictions herein contained.

51. The Commissioners of Public Schools of the City of Baltimore are hereby authorized to accept and receive the premiums given by the Trustees of the Peabody Institute to the Baltimore City College and the Female High Schools, as specified in Mr. Peabody's letter to his trustees, and to have the same distributed from time to time in such manner as they shall deem most conducive to the benefit of the schools and the objects of the donor.

52. The Board of Commissioners of Public Schools of Baltimore City are authorized and directed to establish in the City of Baltimore, in some convenient locality, as near the centre of the city as possible, a school for manual training, under such name or title as said Board shall select; said school shall be open to the children of the citizens and *bona fide* residents

of the City of Baltimore, and the admission to said school shall be regulated by the law now existing for the admission of pupils to the public schools of the City of Baltimore, except in so far as changed by this ordinance; the age and qualifications for admission to said school shall be fixed and prescribed by the said School Board; provided, that the fee for the use of tools and materials for pupils who are the children of residents or citizens of Baltimore shall not exceed one dollar each per scholastic quarter; pupils from other places may be admitted to said school upon such terms and conditions and upon payment of such fees as said Board shall prescribe.

52a to 52e. An ordinance nearly identical with the above (Section 52), providing for a Manual Training School for Colored Children, was approved February 16, 1892.

57 to 60. It shall be the duty of all physicians who may be in attendance in any family whose child or children may be attending any of the public schools of this city, which family may have a case or cases of scarlet fever, diphtheria, measles, smallpox, chickenpox, whooping cough, or any other contagious disease, to give a certificate of the same to the parents or parent of the child or children so diseased as soon as the disease is developed; and it shall be the duty of the parents or parent, as soon as the physician certifies that contagious disease exists in his, her or their house, to notify the principal of the school attended by his, her or their children within twenty-four hours. That if there be no physician attending in cases of disease mentioned in this ordinance, it shall be the duty of the parents or parent to report the disease to the principal of the school attended by his, her or their child or children within twenty-four hours from the time the disease is known to be contagious. That if any parent or physician shall notify any public school teacher of the city that any contagious disease exists in any family whose child or children are attending any of the public schools of this city, then it shall be the duty of the principal of the school to exclude the child or children of said family from the school until the attending physician certifies that all danger from contagion has passed. That if any teacher or teachers reside, board or lodge in any house where a child or children in such house is suffering with any contagious disease, of which fact the said teacher has been cognizant, then it shall be the duty of said teacher to certify to the same to a member of the School Board, and such teacher shall not perform his or her duties in any public school in this city until a physician attending such case or cases of contagious disease shall certify that all danger from contagion has passed. Failure to comply with the provisions of this ordinance will subject the offender to a fine of ten dollars (\$10).

61. When scarlet fever, diphtheria, measles, smallpox, chickenpox, whooping cough, or any other contagious diseases has existed in any family whose child or children have been attending any of the public schools of this city, which child or children had not been attended by any practicing physician, then it shall be the duty of any vaccine physician who may be applied to for a certificate that all danger from contagion has passed to visit the premises, if in his district, where said child or children had been sick, and if there should exist no danger from contagion he should give the certificate applied for free of charge.

62. (Approved May 22, 1893). The School Commissioners are hereby required and directed to have all public schools in the City of Baltimore opened for the reception of pupils thirty minutes before the commencement of the regular exercises of said schools.

(See also the statute relating to vaccination).

By resolution approved March 13, 1894, it is provided "That the American flag be raised on all public school buildings where the school buildings are provided with said flags at half-mast on Memorial Day."

By ordinance approved April 9, 1895, the Board was directed to purchase a sufficient number of American flags and have the same placed on each and every public school building, to be raised on every school-day from the opening of the session in the morning till the close in the afternoon, except on inclement days, and at half-mast on May 30 from sunrise to sunset; principals to be responsible for the performance of the duty, and liable to suspension or dismissal for failure to perform the same. The sum of fifteen hundred dollars (\$1,500) is appropriated to defray the cost of said flags and placing them on the school buildings.

By ordinance approved May 8, 1895, the Board was directed to introduce physical training as a regular course of study in the public schools; to employ a male teacher, a graduate of some institution in which the art and science of physical training has been the only object of the course of study; salary to be fixed by the Board, subject to the approval of the Mayor and City Council. Ten minutes each day shall be given to calisthenics. The sum of one thousand five hundred dollars (\$1,500) is appropriated to defray the expense.

By resolution approved May 15, 1895, the Board is directed "to issue the necessary directions to the teachers * * * to read the Declaration of Independence of the United States to the pupils of their respective classes (in the grammar schools only) on the Friday preceding all national, State or municipal holidays."

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REGISTER

— OF THE —

Corporation Officers

— OF —

BALTIMORE CITY,

FOR THE YEAR 1897.

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REGISTER
— OF THE —
CORPORATION OFFICERS OF BALTIMORE CITY
FOR THE YEAR 1897.

MAYOR'S OFFICE:

ALCAEUS HOOPER, *Mayor*.

Charles G. Leonard, *Secretary to the Mayor*.

Philip G. Ward, *Clerk to the Mayor*.

Edward E. Harden, *City Messenger*.

REGISTER'S OFFICE:

William F. Stone, *Register*.

J. Sewell Thomas, *Deputy Register*.

Charles F. Bender, *Chief Clerk*.

Walter J. Hayward, *Assistant Clerk*.

George H. Gibson, Jr., “

Paul Needing, “

COMPTROLLER'S OFFICE:

Charles D. Fenhagen, *Comptroller*.

J. W. Freeman, *Deputy Comptroller*.

Henry C. Hines, *Chief Clerk*.

H. L. P. Woolf, *Assistant Clerk*.

Albert M. Collins, }
Bernard H. Warthen, } *Auditors*.

J. Alexander Stewart, *License Detective*.

LAW DEPARTMENT:

Thomas G. Hayes, *City Counselor*.

Thomas Ireland Elliott, *City Solicitor*.

Frederick W. Story, *Examiner of Titles*.

Lewis Putzel, *City Attorney*.

MEMBERS OF THE FIRST BRANCH CITY COUNCIL:

JAMES S. ALLISON, *President.*

First Ward.....	James S. Allison.
Second Ward.....	Henry W. Laumann.
Third Ward.....	Charles E. Cunningham.
Fourth Ward.....	Charles W. Hatter.
Fifth Ward.....	James H. Livingston.
Sixth Ward.....	Frederick P. Ross.
Seventh Ward... ..	William W. Towson.
Eighth Ward.....	James J. Kerns.
Ninth Ward.....	Sherlock Swann.
Tenth Ward.....	John F. Sommerlock.
Eleventh Ward.....	Dr. J. Marcus Cargill.
Twelfth Ward.....	Robert M. Spedden.
Thirteenth Ward.....	Charles C. Stieff.
Fourteenth Ward.....	Charles O. Kelly.
Fifteenth Ward.....	Milton H. Wagoner.
Sixteenth Ward	George W. Warrenberger.
Seventeenth Ward	Thomas L. Parks.
Eighteenth Ward.....	Samuel G. Davis.
Nineteenth Ward.....	Richard J. Biggs.
Twentieth Ward.....	Christopher C. Speed.
Twenty-first Ward.....	George N. Numsen.
Twenty-second Ward.....	James H. Smith.

William C. Harden, *Chief Clerk.*

John R. Morrison, *Assistant Clerk.*

Robert B. Fisher, *Committee Clerk.*

Charles E. Turner, *Sergeant-at-Arms.*

W. N. Matthews, {
J. W. Parks, Jr., } *Doorkeepers.*

Charles H. Hartley, *Page.*

MEMBERS OF THE SECOND BRANCH CITY COUNCIL.

JAMES E. McCLELLAN, *President.*

First and Second Wards Andrew Brown.
 Third and Fourth Wards John H. Windfelder.
 Fifth and Sixth Wards Bernhard Dietz.
 Seventh and Eighth Wards John L. Stone.
 Ninth and Tenth Wards John J. Mahon.
 Eleventh and Twelfth Wards Charles S. Montell.
 Thirteenth and Fourteenth Wards . Benjamin F. Kelley.
 Fifteenth and Sixteenth Wards . . James E. McClellan.
 Seventeenth and Eighteenth
 Wards Robert W. Harrison.
 Nineteenth and Twentieth
 Wards William T. Henry.
 Twenty-first and Twenty-second
 Wards N. M. Rittenhouse.

Robert M. Welch, *Chief Clerk.*Charles W. Fury, *Assistant Clerk.*Frederick A. Kraft, Jr., *Committee Clerk.*William M. Chambers, *Sergeant-at-Arms.*Thomas H. Roberts, *Doorkeeper.*H. F. F. Bordley, *Page.*

DEPARTMENT OF FINANCE:

His Honor Alcaeus Hooper, *Chairman.*

Derick Fahnestock, John B. Ramsay.

TAX DEPARTMENT:

John F. Parlett, *City Collector.*William H. Lytle, *Deputy City Collector.*Edward A. Hartman, *Cashier.*Thomas George Mairs, *Assistant Cashier.*Charles Schwartzhaupt, *Bookkeeper.*

TAX DEPARTMENT—CONTINUED:

George W. Kettlewell, *General Cash Bookkeeper.*

Frank J. Murphy, *Transfer Clerk.*

Ridgely Duvall, *Miscellaneous Clerk.*

T. Harry Bartlett, *Ledger Clerk.*

Philip Wolf, “

J. F. Cook, “

Thomas S. Clark, “

George Farnandis, “

Claude L. Goodwin, “

J. George Frainie, “

John M. Pope, “

Robert Ferguson, “

Nisbet Turnbull, “

George A. Roesninck, “

Thomas E. Davis, “

Joseph Lutz, “

Thomas M. Smith, *Bailiff.*

Charles Kilian, “

Louis Cassard, Jr., “

William P. West, “

Benjamin Trotten, “

William J. Laughlin, “

Henry Laufer, “

Clapham Murray, “

A. J. Sugar, “

William Linthicum, “

Louis Griesman, “

Thomas H. Leary, “

Charles D. Matthews, “

Albert G. Alford, “

Louis N. Rollins, “

M. Dundon, “

TAX DEPARTMENT—CONCLUDED :

Charles S. Moran,	<i>Bailiff.</i>
James B. Orem,	“
Wallace Bell,	“
Harry H. Mobley,	“
James F. Curley,	“
Edward B. Farland,	“
R. J. McCuen,	“
Robert R. Kirkland,	“
Condon E. Varina,	“
Francis L. Abbott,	“
William H. Lardusky,	“
Christian Leyhe,	“
George W. Pfeffer,	“

JUDGES OF APPEAL TAX COURT:

Thomas H. King,	John F. Langhammer,
T. Burling Hull.	
Thomas K. McCormick,	<i>Chief Clerk.</i>
Benjamin F. Woelper, Jr.,	<i>Assistant Clerk.</i>
Charles L. Gemundt,	<i>Assessor.</i>
Thomas E. Thompson,	<i>Ass'r 21st and 22d Wards.</i>
William B. Stone,	<i>Clerk to Assessors.</i>

CITY COMMISSIONER'S DEPARTMENT:

William A. Hanway,	<i>City Commissioner.</i>
Newton M. Gray,	<i>Assistant City Commissioner.</i>
Oliver W. Connett,	“ “ “

CITY LIBRARY:

George W. McCreary,	<i>Librarian.</i>
J. Cushing Bailey,	<i>Assistant Librarian.</i>

INSPECTOR OF PUBLIC BUILDINGS' OFFICE:

Benjamin B. Owens, *Inspector*.

George R. Bullen, *Assistant Inspector*.

F. H. Waters, " "

George C. Turner, " "

John H. Stengel, " "

William Butzler, " "

Henry Baker, " "

John H. Horner, " "

M. O. Travers, " "

John P. Teal, " "

John B. Walter, " "

J. Frank Crowther, " "

Alexander M. Montell, *Clerk*.

N. B. Shorey, *Inspector Hot-Air Furnaces*.

COMMISSIONERS FOR OPENING STREETS:

Hiram H. Taylor,

Louis Hoffman,

James Glen.

Carl Casey, *Clerk*.

HEALTH DEPARTMENT:

Commissioner of Health and Registrar,

James F. McShane, M.D.

Assistant Health Commissioner,

J. Tyler Smith, M.D.

*Resident Physician Quarantine Hospital,
Port of Baltimore,*

Sidney O. Heiskell, M.D.

Secretary,

V. Burgess Hines.

HEALTH DEPARTMENT—CONTINUED:

Assistant Secretary,
George C. Vansant.

Medical Examiner,
N. G. Keirle, M.D.

Assistant Medical Examiner,
J. B. Schwatka, M.D.

Keeper of the Morgue,
William H. Hackmann.

Assistant Registrar's Clerk and Assistant Permit Clerk,
Montgomery Lawrence.

Permit Clerk,
Michael A. Maloney.

Registrar's Clerk,
James E. Hubbert.

Nuisance Clerk,
Harry C. Andrews.

Recorder of Births,
James E. King.

Sanitary Inspectors,
J. F. Hempel, M.D.,
Charles H. Bubert, M.D.,
Joseph V. Fitzpatrick,
Walter W. White, Jr., M.D.,
Gilman P. Evans, M.D.,
C. Hampson Jones, M.D.,
George C. Cornelius, D.V.S.

HEALTH DEPARTMENT—CONTINUED:

Annex,

D. S. Williams, M.D.,
 Lewis F. Frey, M.D.,
 George H. Everhart, M.D.,
 Harry C. Algire, M.D.

Vaccine Physicians,

First Ward Charles S. Neer, M.D.
 Second Ward..... John H. Rehberger, M.D.
 Third Ward..... William J. Hughes, M.D.
 Fourth Ward..... Jacob H. Mitnick, M.D.
 Fifth Ward..... Arthur Wegefarth, M.D.
 Sixth Ward..... Samuel T. Roeder, M.D.
 Seventh Ward..... G. Henry Chabot, M.D.
 Eighth Ward..... H. F. Cassidy, M.D.
 Ninth Ward..... Charles W. Hartwig, M.D.
 Tenth Ward..... Robert J. Murray, M.D.
 Eleventh Ward..... E. Lambert Yourex, M.D.
 Twelfth Ward..... Morris C. Robins, M.D.
 Thirteenth Ward..... William Wolf, M.D.
 Fourteenth Ward..... John G. Jeffers, M.D.
 Fifteenth Ward..... Henry H. Imhofe, M.D.
 Sixteenth Ward..... C. Lunsford Nuckols, M.D.
 Seventeenth Ward..... H. H. Hayden, M.D.
 Eighteenth Ward..... Harry Boyd, M.D.
 Nineteenth Ward..... H. H. Arthur, M.D.
 Twentieth Ward..... William Kroh, M.D.
 Twenty-first Ward..... J. Burch Joyce, M.D.
 Twenty-second Ward..... H. G. Prentiss, M.D.

Superintendent of Public Cemeteries,

George E. Brown.

HEALTH DEPARTMENT—CONCLUDED:

Inspector of Plumbing,
Joseph C. Mitchell.

Disinfectors,
George W. Parlett, James L. Mills.

Inspector of Drains,
S. Charles Wegefarth.

Night Soil Detective,
Earnest Tschudy.

Messenger,
Henry Hasenkamp.

Analytical Chemist,
Gustavus W. Lehmann.

Food Inspectors,
Henry S. Reay,
Thomas Slagle,
Thomas E. Carmichael.

Bacteriologist,
William Royal Stokes, M.D.

Inspector of Bakeries and Confectioneries,
George Frederick Rueckert.

COMMISSIONER OF STREET CLEANING :

Andrew W. Bostwick.

Samuel J. Blight, *Clerk*.*Superintendents of Streets.*Charles L. Strebeck, *First District.*George E. McCauley, *Second* “G. Wellington Bryant, *Third* “George F. Cooper, *Fourth* “Henry Lancaster, *Fifth* “Charles H. Marsh, *Sixth* “Alexander Harrison, *Seventh* “

HARBOR BOARD :

His Honor Alcaeus Hooper, *Chairman.*

Henry Williams, William T. Malster,

T. A. Hooper, George R. Heffner,

Edward D. Booz, Martin Wagner.

N. H. Hutton, *Engineer.*James H. Irvin., Jr., *Clerk.*

SUPERINTENDENT OF PUBLIC BUILDINGS :

Theodore F. Lang.

DAY WATCHMEN AT CITY HALL :

Robert M. Craig,

John Cosgrove,

George C. Pfeltz.

NIGHT WATCHMEN AT CITY HALL :

Jerome Airey,

William A. Daywalt.

FIREMEN AT CITY HALL :

James D. Danels,

Thomas Kershaw.

CONDUCTOR CITY HALL ELEVATOR:

David Bruce.

PARK COMMISSION:

His Honor Alcaeus Hooper, *Chairman*.

Douglas H. Thomas,	German H. Hunt,
John S. Berry,	John C. Froehlich,
David L. Bartlett,	George R. Willis.
D. Rayhice, <i>Clerk</i> .	

WATER DEPARTMENT:

*Commissioners,*His Honor Alcaeus Hooper, *President*.

T. J. Hayward,	Walter B. Swindell,
James F. O'Hara,	Leopold Strouse,
William H. Rothrock,	Bernard Gilpin.

REGISTRAR'S DEPARTMENT.

James A. Marrian, *Water Registrar*.Otis C. Brownley, *General Bookkeeper*.James S. Etchberger, *Cashier*.James J. C. Scully, *Credit Clerk*.

John H. R. Nicholson, “

Harry L. Protzman, *Ledger Clerk*.

E. J. Edwards, “

William E. Thomsen, “

George C. Roberts, “

Samuel A. Hart, “

Myer J. Bucksbaum, “

Samuel J. Schenkel, “

Timothy Ryan, Jr., *Delinquent Clerk*.Edward A. Hogg, *Meter and New Supply Clerk*.

WATER DEPARTMENT—CONTINUED:

District Inspectors and Bill Distributors.

John Q. A. Sands, *Chief Inspector.*

Joseph W. Whiteford, Reuben Holmes Wilbor,

Charles B. Henderson, William Haughey,

E. S. Davis, Oscar S. Jennings.

George W. Emmerich, *Clerk and Special Inspector.*

ENGINEER'S DEPARTMENT.

Nicholas S. Hill, Jr., *Chief Engineer.*

William L. Kenly, *Consulting Engineer.*

A. M. Quick, *Assistant Engineer.*

William Benthall, *Superintendent County Division.*

Charles Krause, *Superintendent Construction Division.*

Edward G. Rost, *Superintendent Mechanical Division.*

J. Philip Huppman, *Chief Clerk.*

Jansey W. Hook, *Keeper Mt. Royal Reservoir.*

George W. Kelly, *Keeper Lake Clifton.*

Morris Dapritch, *Keeper Loch Raven.*

John Boone, *Keeper Lake Roland.*

John K. Van Horn, *Keeper Druid Lake, Hampden and
High Service Reservoirs.*

BALTIMORE CITY JAIL:

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Third Ward	J. F. Hancock.
Fourth Ward	John Pentland Brown.
Fifth Ward.	Samuel C. Appleby.
Sixth Ward	John Johnston.
Seventh Ward	W. C. Jenness.
Eighth Ward	Lillian Welsh, M.D.
Ninth Ward	Daniel Miller.
Tenth Ward	A. Friedenwald.
Eleventh Ward.	C. C. Bombaugh, M.D.
Twelfth Ward.	Daniel C. Gilman.
Thirteenth Ward. . .	Bernard J. Nolan.
Fourteenth Ward . . .	William P. Lyons.
Fifteenth Ward	Edwin C. Snyder.
Sixteenth Ward	W. B. Stewart.
Seventeenth Ward. . .	William Grecht.
Eighteenth Ward. . . .	Walter Kirwan.
Nineteenth Ward . . .	John T. King, M.D.
Twentieth Ward. . . .	James L. Murrill.
Twenty-first Ward. . .	George W. Gail.
Twenty-second Ward.	Joseph S. Shefloe.

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John E. McCahan, *Assistant Superintendent.*

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Dr. A. S. Hotaling,	
Dr. Lee Cohen,	

Dr. W. S. Carswell,	} <i>Insane Department.</i>
Dr. H. C. Knapp,	
Dr. James J. McCarthy,	

AGENT OF BALTIMORE CITY FOR THE DEAF AND DUMB:

William R. Barry.

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Francis P. Stevens,	William A. Leitch.
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COMPANY:

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First District	William Preston Frazier.
Second	“	John E. Curley.
Third	“	William M. Stewart.
Fourth	“	Oliver W. Miller.
Fifth	“	Charles Bangs.
Sixth	“	—————

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Northeastern	“	William H. Cathell.
Southwestern	“	James Mitchell.
Southeastern	“	Samuel T. Maxwell.
Southern	“	William A. Street.

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INSPECTOR OF COAL OIL AND ILLUMINATING GAS:

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OF GAS METERS:

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Sebastian Ettinger.

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John W. C. Seitz.

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John Crowley.

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John E. Hendricks.

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Frank Gates.

Wm. H. Tibbals, *Assistant Clerk.**Fell's Point Market,*

William A. Callahan.

Belair Market,

Charles Kleinjohn.

Hollin's Market,

James Biden.

Hanover Market,

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Dixon C. Gourley.

Lafayette Market,

J. Frank Forrester.

Cross Street Market,

William A. Torney.

Northeastern Market,

Charles Briggeman.

Canton Market,

John Cadden.

Keeper of Hall over Broadway Market:

Charles M. Nelson.

Keeper of Market Under Maryland Institute:

John H. Bogue.

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Lafayette Square,

D. H. Stevenson, W. C. Sanderson, H. G. Vickery.

Franklin Square,

Dr. James W. Bowers, Dr. J. Dimmett Norris,
John F. Adams.

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Eutaw Place Squares, Second Division,

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Mount Vernon Square,

Thos. M. Lanahan, Wm. F. Burns, Thos. Deford.

Madison Square,

John Solter, John H. Hoeck, Charles H. Davis.

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Harlem Park,

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Broadway Squares, Second Division,

Wm. H. McElroy, Chas. F. Henderson, Louis Zink.

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Perkins Spring Square,

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Taney Place,

Joseph S. West, A. B. Clark, Frank P. Clark.

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James Sapp, Edw. G. Medinger, Richard S. Bridge.

Brewer Square,

H. R. Vonderhorst, A. L. Boggs, Jr., Henry H. Dill.

Wilkins Avenue Squares,

Gustave Siegmund, Fred. J. Cahill, Edw. Andrews.

Mount Royal Avenue Square,

Michael Jenkins, Henry E. Baltzell,
R. W. Templeman.

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J. H. Menslage, Thomas F. Locke, Wm. J. Miller.

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Mendes Cohen, F. H. Hambleton, E. L. Bartlett.

COURT HOUSE COMMISSION:

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Frank N. Hoen,	Henry D. Harlan,
Robert H. Smith,	J. Olney Norris.

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Jacob Swindell. *Southern District.*
 Richard W. Cross. *Annex.*
 Raphael A. Kinnaird. *Northwestern District.*
 Benjamin F. Appler. *Western District.*
 Edward Hammer. *Eastern District.*
 Philip Witts. *Northeastern District.*

OFFICERS OF THE FIRE DEPARTMENT.

Fire Commissioners:

A. Roszel Cathcart, *President.*

R. H. Gilbert, J. H. McFaul.

Secretary and Clerk,
 Stanley Baker.

Chief Engineer,
 William C. McAfee.

District Engineers,

No. 1—George W. Horton. No. 4—Fielding H. Lucas.
 No. 2—August Emerich. No. 5—Frank K. Conway.
 No. 3—Levin H. Burkhardt. No. 6—Wm. A. Larkins.

Superintendent of Machinery,
 George J. Linsenmeyer.

Superintendent of Police and Fire-Alarm Telegraph,
Leona Lemon.

John J. McCoy	<i>Operator.</i>
William H. Shuter	"
M. J. Dean	"
H. C. Martin	"
C. C. Prince	"
Thomas Cole	"
W. F. Gettrust (substitute)	"
John M. Nugent	<i>Chief Lineman.</i>
David Schaum	<i>Lineman.</i>
H. F. Scott	"
Thomas W. Glass	"
James W. Anderson	"
Robert Kain	<i>Batteryman.</i>

NO. 1 ENGINE.

Paca Street North of Fayette Street.

J. Thomas Dunn	<i>Captain.</i>
William F. Morrow	<i>Lieutenant.</i>
John H. Deal	<i>Engineman.</i>
George C. Lloyd	<i>Ass't Engineman.</i>
Louis J. Fresch	<i>Hostler.</i>
Edward R. Addison	<i>Pipeman.</i>
Albert Oelmann	"
George W. Bentz	"
Wilbur D. Barker	"
Robert P. McFarland	"
George R. Thompson	"

No. 2 ENGINE.

Barre Street West of Sharp.

William R. Ward	<i>Captain.</i>
George C. Young	<i>Lieutenant.</i>
Thomas S. Atkinson	<i>Engineman.</i>
Daniel H. Weber	<i>Ass't Engineman.</i>
Frank Hines	<i>Pipeman.</i>
George H. Hewett	"
William H. Bell	"
Charles E. Rice	"
Edward Tauber	"
William Kimball	"
Dennis G. Miller	"
Charles L. Smoot	"

No. 3 ENGINE.

East Lombard Street Near High Street.

John B. Bortell ..	<i>Captain.</i>
Louis Harrer	<i>Lieutenant.</i>
William T. Hubbard	<i>Engineman.</i>
James P. Whalen	<i>Ass't Engineman.</i>
John F. Pierce	<i>Hostler.</i>
G. Louis Schlamm	<i>Pipeman.</i>
Benjamin V. Beyer	"
Herman Fumbaugh	"
George D. Shanks	"
James T. Pearl	"
John T. Seabreeze	"

No. 4 ENGINE.

Lexington Street Between North and Calvert Streets.

Herman F. Bichy.....	<i>Captain.</i>
August Schlimm.....	<i>Lieutenant.</i>
Herbert W. Pearce.....	<i>Engineman.</i>
Frederick C. Weiss.....	<i>Ass't Engineman.</i>
Philip L. Brady.....	<i>Hostler.</i>
Constant Siebert.....	<i>Pipeman.</i>
Frank C. H. Berger.....	"
George A. Ford.....	"
Henry C. Dotter.....	"
Israel D. Appleby.....	"
Henry F. Boerner.....	"
Frisby Lloyd.....	"

No. 5 ENGINE.

Ann Street Near Gough Street.

Andrew W. German.....	<i>Captain.</i>
Charles Rosenthal.....	<i>Lieutenant.</i>
Frederick L. Nelson.....	<i>Engineman.</i>
Joseph Zeidler.....	<i>Ass't Engineman.</i>
Henry Murphy.....	<i>Hostler.</i>
William B. Baker.....	<i>Pipeman.</i>
Joseph Nelson.....	"
Henry R. Seippel.....	"
Anthony Schoepplein.....	"
John F. Bilson.....	"
Joseph G. Smith.....	"

No. 6 ENGINE.

Gay and Ensor Streets.

Charles Betz.....	<i>Captain.</i>
Robert R. Perry.....	<i>Lieutenant.</i>
Matthew Mulligan.....	<i>Engineman.</i>
William H. Hardy.....	<i>Ass't Engineman.</i>
William H. Dunn.....	<i>Hostler.</i>
Thomas B. Strahan.....	<i>Pipeman.</i>
John T. Gordon.....	"
Isaac Cuddy.....	"
George Sykes.....	"
Frederick H. Kaufman.....	"
William McKay Morrow.....	"
Joseph H. Stallings.....	"

No. 7 ENGINE.

Entaw Street and Druid Hill Avenue.

John Hoffman.....	<i>Captain.</i>
Lawrence Pistel.....	<i>Lieutenant.</i>
Samuel W. Stansbury.....	<i>Engineman.</i>
Frank E. Nehren.....	<i>Ass't Engineman.</i>
Harman Schiminger.....	<i>Hostler.</i>
Charles A. Soistman.....	<i>Pipeman.</i>
John Weinkamp.....	"
George Schneider.....	"
William A. Hall.....	"
James J. McGraw.....	"
Andrew A. Albert.....	"

NO. 8 ENGINE.

Mulberry Street Between Schroeder Street and Arlington Avenue.

William J. Stewart	.....	<i>Captain.</i>
Jacob F. Rupp	.....	<i>Lieutenant.</i>
Charles E. Freeburger	.....	<i>Engineman.</i>
William F. Awalt	.....	<i>Ass't Engineman.</i>
James McGlennan	.....	<i>Hostler.</i>
Greenbury Chapman	.....	<i>Pipeman.</i>
Charles Airey	.....	"
Albert Schyne	.....	"
William Eckert	.....	"
John J. Murphy	.....	"
Thomas W. Jessop	.....	"

NO. 9 ENGINE.

Madison Street East of Broadway.

David H. Macaulay	.....	<i>Captain.</i>
Solomon Uhlfelder	.....	<i>Lieutenant.</i>
Daniel R. Rogers	.....	<i>Engineman.</i>
George W. Speake	.....	<i>Ass't Engineman.</i>
Elias J. Knipp	.....	<i>Hostler.</i>
James McDevitt	.....	<i>Pipeman.</i>
Clinton B. Baker	.....	"
W. H. Cuddy	.....	"
John Amend	.....	"
Richard V. Pettinger	.....	"
Gustav Miller	.....	"

No. 10 ENGINE.

Columbia Avenue Near Poppleton Street.

Henry Stagge	<i>Captain.</i>
Charles Romoser.....	<i>Lieutenant.</i>
John W. Walsh	<i>Engineman.</i>
James Nugent	<i>Ass't Engineman.</i>
Edward Norton.....	<i>Hostler.</i>
Justice G. Kielholtz.....	<i>Pipeman.</i>
Joseph Kraft.....	"
Henry Zachman.....	"
John Eigenbrodt.....	"
Joseph A. Derwart.....	"
Edward A. Ward.....	"

No. 11 ENGINE.

Eastern and Patterson Park Arenues.

Michael A. Lind	<i>Captain.</i>
Thomas Flaherty	<i>Lieutenant.</i>
John Calder.....	<i>Engineman.</i>
John Linderman.....	<i>Ass't Engineman.</i>
Patrick Birthistle	<i>Hostler.</i>
Joshua H. Miller	<i>Pipeman.</i>
Albert H. Gier.....	"
George Shipley	"
John W. Barton	"
John P. Curry.....	"
Phil. Peacock.....	"

No. 12 ENGINE.

Riverside and Fort Avenues.

George W. Smith	Captain.
Edward C. Klessel	Lieutenant.
Michael Lycett	Engineman.
William F. Welch	Ass't Engineman.
Joseph W. Moon	Hostler.
James Knox	Pipeman.
James P. Ward	"
Peter McGonigle	"
Charles H. Wheatly	"
William P. Burke	"
Matthew Carroll	"

No. 13 ENGINE.

Fremont and Myrtle Avenues.

Andrew J. Walters	Captain.
Samuel R. Watkins	Lieutenant.
John A. Bannon	Engineman.
J. William Eckhard	Ass't Engineman.
John F. McKenzie	Hostler.
Joseph McKenna	Pipeman.
Wilbur Pierce	"
James Nolan	"
Joseph Hummel	"
John W. Cook	"
James J. Wheeler	"

No. 14 ENGINE.

Hollins Street Near Monroe Street.

George A. Wright	Captain.
Charles E. Dewitt	Lieutenant.
John Gaffney	Engineman.
Cornelius P. Cuhan	Ass't Engineman.
Joseph Lavender	Hostler.
Charles H. Baker	Pipeman.
C. Allen Orem	"
Robert Lloyd	"
George E. Hibline	"
Leonard Jessop	"
William H. Perrine	"

No. 15 ENGINE (DOUBLE COMPANY).

INCLUDING CHEMICAL SECTION AND WATER TOWER.

Lombard Street Between Howard and Entour Streets.

John Todd	Captain.
John M. Frederick	Lieutenant.
James A. Campbell	"
John Conway	Engineman.
Edward R. McCulloh	Ass't Engineman.
John J. Cahill	"
Mark Hill	Hostler.
Frank J. Lavender	Pipeman.
Thomas P. Hood	"
August Lang	"
Charles L. Schulte	"
William E. Stewart	"
Harry C. Showacre	"
Ebenezer Pyle	"
Michael J. Ready	"
John Kahl	"
John T. Divens	"
John A. Henneman	"
Charles P. Griffin	"
J. H. Hedrick	"

No. 16 ENGINE.

Commercial Wharf.

Richard A. Lindsay.....	<i>Captain.</i>
Alonzo Travers	<i>Lieutenant.</i>
John H. Brown.....	<i>Pilot.</i>
William C. Stallings.....	“
Thomas H. Meushaw.....	<i>Engineman.</i>
William L. Sbisá.....	<i>Ass't Engineman.</i>
John H. Stutt	“
John Stanton.....	<i>Pipeman.</i>
James H. B. Woodrow.....	“
James H. Hoey.....	<i>Stoker.</i>
Lawrence T. Rudolph.....	“
George Horley.....	“

No. 17 ENGINE.

Fort Avenue and Haubert Street.

John Prenger	<i>Captain.</i>
William C. D. Knight	<i>Lieutenant.</i>
Thomas F. Sexton	<i>Engineman.</i>
John I. Cranford	<i>Ass't Engineman.</i>
Casper Kraft	<i>Hostler.</i>
Henry Ludwig.....	<i>Pipeman.</i>
Thomas Voyce.....	“
James Catterton.....	“
Peter Lohman.....	“
Frank A. Kraft.....	“
John Moeller.....	“
John F. Moran.....	“

No. 18 ENGINE.

Twenty-first Street Between Maryland Avenue and Oak Street.

Frederick Branan.....	<i>Captain.</i>
William H. Quincy.....	<i>Lieutenant.</i>
Thomas S. Brown.....	<i>Engineman.</i>
Elijah J. B. Moore.....	<i>Ass't Engineman.</i>
John W. Potts.....	<i>Hostler.</i>
Robert H. Blatchley.....	<i>Pipeman.</i>
George U. McFadden.....	"
Thomas H. Sutton.....	"
Michael J. Griffin.....	"
William J. McDonald.....	"
William C. McKenna.....	"
Joseph J. Presley.....	"

No. 19 ENGINE.

North Avenue and Bond Street.

Benjamin Price.....	<i>Captain.</i>
George E. Croucher.....	<i>Lieutenant.</i>
John N. Bletzer.....	<i>Engineman.</i>
Jacob S. Corns.....	<i>Ass't Engineman.</i>
Michael J. Farley.....	<i>Hostler.</i>
John F. Maguire ..	<i>Pipeman.</i>
Nicholas Barrett.....	"
Charles C. Neilson.....	"
Harry F. Bodge.....	"
Joseph J. Poat.....	"
Louis Lohman.....	"
Franklin A. Teal.....	"

No. 20 ENGINE.

West North Avenue Near Tenth Street.

George F. Kennard	<i>Captain.</i>
William I. Johns	<i>Lieutenant.</i>
Frank Huart	<i>Engineman.</i>
Thomas F. Sadler	<i>Ass't Engineman.</i>
William Dauterich	<i>Hostler.</i>
Philip Bowen	<i>Pipeman.</i>
J. Oscar Healey	"
James T. Braden	"
Samuel W. Marker	"
Richard H. Hobson	"
William J. Watkins	"
Hugh P. Fox	"

No. 1 HOOK AND LADDER.

Harrison Street Near Fayette Street.

E. Louis Shipley	<i>Captain.</i>
Thomas Kerr	<i>Lieutenant.</i>
George W. Haskell	<i>Tillerman.</i>
Andrew J. Orr	<i>Ass't Tillerman.</i>
John F. Mulligan	<i>Hostler.</i>
Martin Kirby	<i>Ladderman.</i>
Joseph Daily	"
Zach. T. Seabreeze	"
John R. Herr	"
William G. Schultz	"
James P. Lyons	"

No. 2 HOOK AND LADDER.

Paca Street Near Fayette Street.

Emil Hesse	<i>Captain.</i>
Andrew J. Bilson	<i>Lieutenant.</i>
John W. Blake	<i>Tillerman.</i>
John L. Emerson	<i>Ass't Tillerman.</i>
Thomas Montgomery	<i>Hostler.</i>
Joseph M. Diggs	<i>Ladderman.</i>
William H. Stapf	"
Frederick W. Johnson	"
Harry J. Carle	"
Henry C. Kabernagel	"
Cooper Elliott	"

No. 3 HOOK AND LADDER.

South Ann Street Near Gough Street.

George W. Foxwell	<i>Captain.</i>
Peter Nelson	<i>Lieutenant.</i>
John N. Downs	<i>Tillerman.</i>
John Koos	<i>Ass't Tillerman.</i>
William Hastler	<i>Hostler.</i>
Christian Fitzberger	<i>Ladderman.</i>
John McClellan	"
James F. Reilly	"
Harry Courtney	"
Michael E. Lynch	"
Frederick Grouling	"
T. Edward Burch	"

No. 4 HOOK AND LADDER.

Biddle Street Near Druid Hill Avenue.

John H. Morgan.....	<i>Captain.</i>
Malcolm W. Jordan	<i>Lieutenant.</i>
John Kurne.....	<i>Tillerman.</i>
Paul L. Linde.....	<i>Ass't Tillerman.</i>
Andrew J. Connelly ..	<i>Hostler.</i>
Frank A. Hansson.....	<i>Ladderman.</i>
George E. Gill.....	“
Henry V. Moller.....	“
Charles Sapp.	“
Clarence Kirby.....	“
Samuel Seymour.....	“
Edward Meinetzberger	“

No. 5 HOOK AND LADDER.

Aisquith Street Near Oliver Street.

Thomas J. Strahler.....	<i>Captain.</i>
Lawrence Blake	<i>Lieutenant.</i>
Peter B. Mullen	<i>Tillerman.</i>
Henry A. Donahoo.....	<i>Ass't Tillerman.</i>
William Quinn	<i>Hostler.</i>
Howard E. Curry.....	<i>Ladderman.</i>
William Wiley.....	“
Robert L. King.....	“
Frederick W. Harman	“
William H. Cullen.....	“
James McCarron.....	“
Amos G. Bramble.....	“

No. 6 HOOK AND LADDER.

Hanover and Ostend Streets.

Thomas D. O'Keefe	<i>Captain.</i>
Frederick G. Beck	<i>Lieutenant.</i>
James Gill	<i>Tillerman.</i>
William H. Lalotte	<i>Ass't Tillerman.</i>
Louis Matthaei	<i>Hostler.</i>
William L. Dailey	<i>Ladderman.</i>
Daniel Vogelgesang	"
Joseph Neubert	"
Edward S. McDonnell	"
Charles F. Fay	"
Henry Toepfer	"
William Leonard	"

No. 10 HOOK AND LADDER.

Lafayette Avenue Between Stricker and Gilmor Streets.

William H. Hartman	<i>Captain.</i>
William A. Meushaw	<i>Lieutenant.</i>
William White	<i>Tillerman.</i>
William F. Beall	<i>Ass't Tillerman.</i>
Thomas H. Wright	<i>Hostler.</i>
J. Frederick Schaefer	<i>Ladderman.</i>
Charles E. Brown	"
John Sullivan	"
George Thompson	"
Frederick Viehmeyer	"
Conrad Garbe	"
John J. Purcell	"

FIRE DEPARTMENT--ANNEX:

No. 1 CHEMICAL ENGINE.

Brunswick Street Near Frederick Road.

Edward W. Steinacker	<i>Captain.</i>
John A. Epp	<i>Hostler.</i>
Antone Yienger	<i>Pipeman.</i>

No. 2 CHEMICAL ENGINE.

Mary Street Near Retreat.

James K. Merriken	<i>Captain.</i>
Christian Freyer	<i>Hostler.</i>
John M. Gilleland	<i>Pipeman.</i>

No. 3 CHEMICAL ENGINE.

Twenty-first Street Near Oak.

James A. Clark	<i>Captain.</i>
James B. Kelly.	<i>Hostler.</i>
Charles M. Johannes	<i>Pipeman.</i>

No. 4 CHEMICAL ENGINE.

Waverly.

William H. Taylor	<i>Captain.</i>
William Lamb	<i>Hostler.</i>
James Hart	<i>Pipeman.</i>

No. 5 CHEMICAL ENGINE.

Homestead.

Robert H. Dougherty	<i>Captain.</i>
Ambrose Spangler	<i>Hostler.</i>
Henry J. Linck.	<i>Pipeman.</i>

No. 6 CHEMICAL ENGINE.

Belair Avenue.

John A. McKew	<i>Captain.</i>
Frank Doerer	<i>Hostler.</i>
Zachariah H. Foote	<i>Pipeman.</i>

No. 7 CHEMICAL ENGINE.

Roland Avenue and Oliver Place.

James J. Reynolds	<i>Captain.</i>
James L. Clarken	<i>Hostler.</i>
John L. Thomas	<i>Pipeman.</i>

No. 7 HOOK AND LADDER.

Waverly.

Andrew J. McCormick	<i>Hostler.</i>
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No. 8 HOOK AND LADDER.

Brunswick Street Near Frederick Road.

John L. Durham	<i>Hostler.</i>
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No. 9 HOOK AND LADDER.

Roland Avenue and Oliver Place.

John W. Schaffer	<i>Hostler.</i>
John R. Miller	<i>Ladderman.</i>

PROBATIONARY FIREMEN:

James B. Courtney	No. 1 Engine.
William Landefeld	" 3 "
Joshua O. Bruff	" 4 "
John J. McCarthy	" 9 "
William A. Bush	" 13 "
Henry Meil	" 15 "
Frederick J. Stroehlein	" 15 "
Q. A. G. Hughes	" 1 H. & L.
John I. Buck	" 2 "
John Grasmick	" 11 Engine.

JUDGES AND CLERKS OF COURTS:

Hon. Henry D. Harlan,
“ J. Upshur Dennis,
“ Albert Ritchie,
“ Charles E. Phelps,
“ Pere L. Wickes,
“ Daniel Giraud Wright,
“ John J. Dobler,
“ Henry Stockbridge.

Clerk of the Superior Court,
Robert Ogle.

Clerk of the Court of Common Pleas,
James M. Vansant.

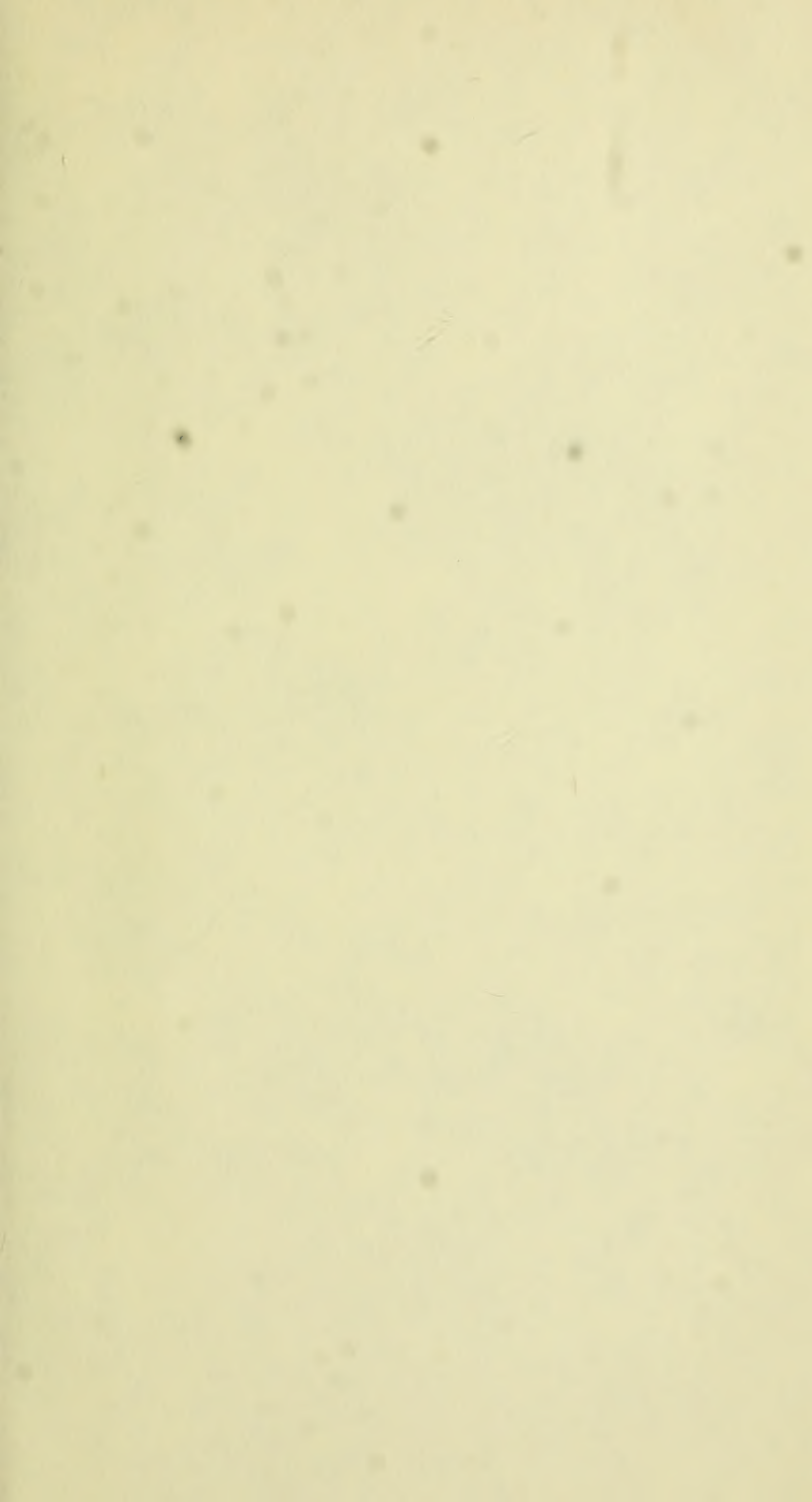
Clerk of the Circuit Court,
Alvin Robertson.

Clerk of the Circuit Court No. 2,
Alfred J. Shulz.

Clerk of the Criminal Court,
Hiram G. Dudley.

Clerk of the Baltimore City Court,
Henry A. Schultz.





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